

*Letter - Hillman*



# CYCLONE FENCE

**CYCLONE FENCE**  
DEPARTMENT

AMERICAN STEEL & WIRE DIVISION  
UNITED STATES STEEL

● SAFEGUARD FENCE	4
● INVINCIBLE FENCE	12
● NON-CLIMBABLE FENCE	18
● SPECIAL FENCING	22
● PICKET FENCING	26
● GATES	30
● MISCELLANEOUS	34

# INDEX

	Page
<b>CYCLONE SAFEGUARD FENCE.....</b>	<b>4-11</b>
Public, Municipal and Industrial installations .....	<b>4-5</b>
Residential installations .....	<b>6-9</b>
Cyclone "Ideal Safeguard" Fence for residential installations .....	<b>10</b>
Specifications and Details .....	<b>11</b>
<b>CYCLONE INVINCIBLE FENCE.....</b>	<b>12-17</b>
Public and Municipal installations .....	<b>12-13</b>
Industrial installations .....	<b>14-16</b>
Specifications and Details .....	<b>17</b>
<b>CYCLONE NON-CLIMBABLE FENCE .....</b>	<b>18-21</b>
Industrial and Municipal installations .....	<b>18-20</b>
"Victory" Fence .....	<b>20</b>
Specifications and Details .....	<b>21</b>
<b>CYCLONE TENNIS COURTS AND BACKSTOPS.....</b>	<b>22-25</b>
<b>CYCLONE STEEL PICKET FENCE.....</b>	<b>26-29</b>
<b>CYCLONE GATES.....</b>	<b>30-33</b>
<b>CYCLONE PARTITIONS, WINDOW GUARDS, AND CONVEYOR BELTS ....</b>	<b>34-36</b>
<b>OTHER FENCE AND WIRE PRODUCTS MADE BY CYCLONE .....</b>	<b>37</b>
<b>CYCLONE METHOD OF FENCING.....</b>	<b>38-41</b>
<b>WAREHOUSES, FACTORIES &amp; SALES OFFICES.....</b>	<b>42-43</b>



## WHAT CYCLONE IS...AND HOW IT IS MADE

**C**yclone Fence—manufactured exclusively by Cyclone—is one of the most outstanding and versatile fences on the market. It is suitable for almost every possible fencing use—from establishing the property lines of residential lots to excluding trespassers and vandals from vital industrial plants.

The unusual construction features of "Cyclone"—which is the name of a specific fence and should not be confused with a *type* of fence—make it unique in the fencing field. Its "Chain Link Fabric" is woven in a 2-inch mesh from heavy gauge (6 to 11 gauge) strands of wire. This method of weaving makes a finished fabric that is so flexible it can readily be rolled up and bundled for shipping and storing, but, when properly installed, makes a rigid, stress- and sag-resistant barrier—guaranteed to give years of service.

After weaving, "Chain Link Fabric" is subjected to a treatment which definitely establishes its superiority over all other woven wire fences. This is the

famous *Galv-After* treatment. All Cyclone fabric is galvanized *after* weaving to eliminate the possibility of unprotected cut ends and to prevent flaking or chipping at bends which would result if the fabric were woven from pre-coated wire.

It is this treatment which enables Cyclone to pass with flying colors the "Preece Test" of 12 one-minute immersions in a standard copper sulphate solution when extra heavy coating is required. This duplicates the actual wear and tear of years of rugged weather conditions and is your assurance of a high degree of rust and corrosion resistance.

In this catalog is detailed information on every type of Cyclone Fence and on other wire products made by Cyclone . . . plus a few examples of the hundreds of thousands of fence installations made by Cyclone during more than 50 years of manufacturing and erecting fence. If you are planning to install fence, get in touch with Cyclone. They have the experience and know how to handle every fencing job—large or small, simple or complicated. And behind Cyclone Fence are all the facilities, research and resources of the United States Steel Corporation.

*While Cyclone Chain Link Fabric is produced primarily in steel, galvanized after weaving, many installations have been made using stainless steel, aluminum or copperweld wire in the Chain Link portion of the job. Cyclone is prepared to produce the product from these metals where conditions or preference demand.*





**CYCLONE "SAFEGUARD" FENCE** is probably the most widely used of all Cyclone Fences, because it is suitable for a variety of fencing needs.

Installed around private homes, Cyclone Safeguard Fence is pleasing to the eye, as well as sturdy and long-lasting. For schools and playgrounds, Safeguard keeps children where they belong. Cyclone Safeguard Fence is frequently used on all sorts of municipal and public projects—to regulate admissions to all sorts of amusement areas. And Cyclone Safeguard *is even ideal for many* limited industrial uses.

Cyclone Safeguard Chain Link Fence is available in a variety of heights to fit different requirements. On heights 5 feet and over it is supplied with barbed top finish—on heights 4 feet and lower the top finish is usually knuckled and finished flush with the top rail.

**T**here's danger as well as glamour in airplanes. That's why most authorities use Cyclone Fence to keep patrons out of danger zones.

# CYCLONE



**T**he beauty and peace of this cemetery can never be invaded by vandals, or by thoughtless children and their pets, when Cyclone Fence is on guard.

**P**erfect playground set-up. Everything any child could want or need is in this well-equipped playground securely fenced by durable Cyclone.



# Safeguard

## CHAIN LINK FENCE



This railroad yard is an excellent example of modified industrial need for fence. Trespasser exclusion is desirable.



That sturdy Cyclone Fence around the yard is as modern as the school itself. And the children have a safe, protected place to play.

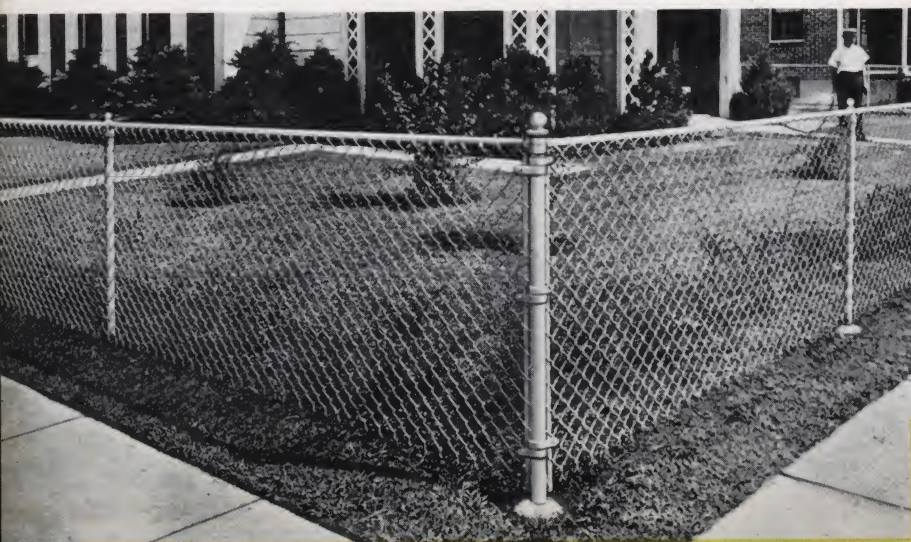
This unusual visitor from a foreign land can be easily—and safely—viewed through this barrier of strong Cyclone Fence.





## CYCLONE

A lovely spot in your own backyard. Just made for reading, visiting or relaxing. And Cyclone Fence makes it private and secluded—free from running children, roaming dogs or unwelcome intruders.



There's something about an unfenced corner lot that just tempts people to be short-cut takers. Cyclone Fence is a polite—but firm—reminder that this is private property.

Back-fence chatter—modern style. The old fashioned board fence over which housewives used to exchange the daily news has been replaced by Cyclone Chain Link Safeguard Fence . . . as modern as the latest gossip.





You won't have to be a spoilsport—and have the neighborhood boys call you an old crank—when your flowers and shrubs are protected with Cyclone Fence.



"...if you wish to be happy forever, become a gardener." But that old Chinese saying doesn't tell you how to be happy when a husky animal like this is tearing up your tulip bed. That's when you want Cyclone Fence!

# Safeguard

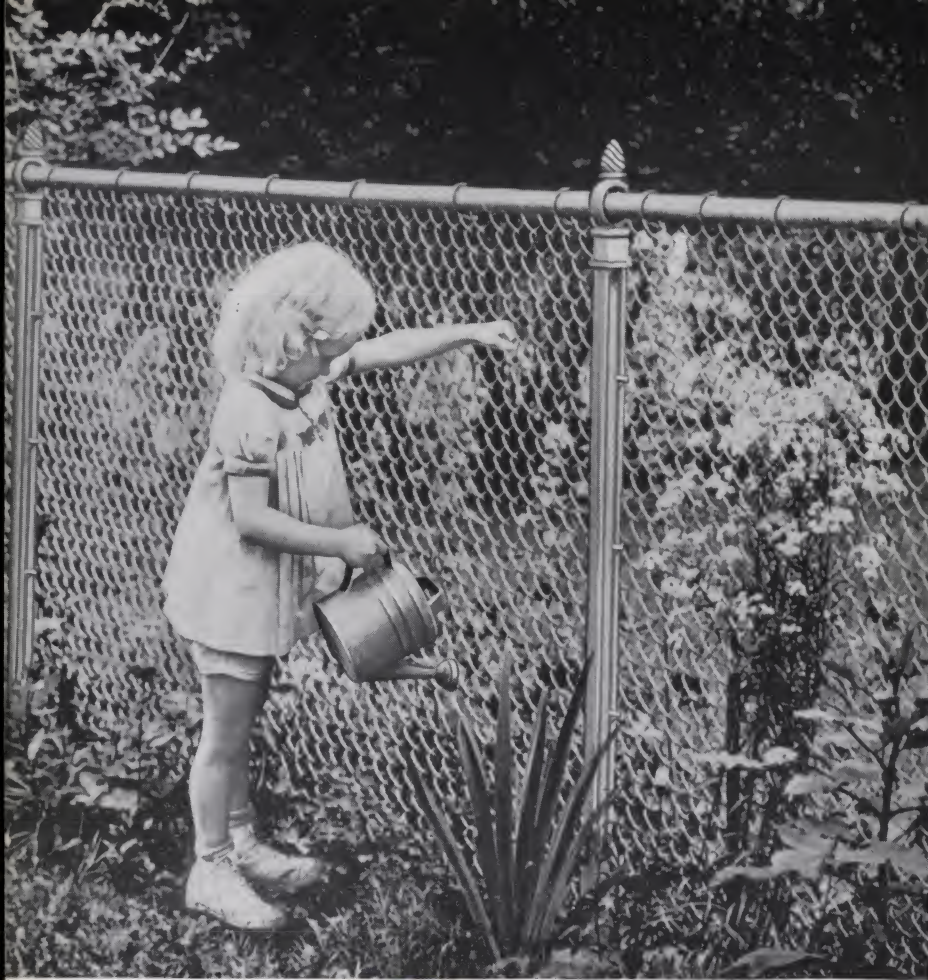
## CHAIN LINK FENCE



This combination of H-section posts and top rails is often preferred because it provides both trim appearance and great strength. Cyclone Fence protects your property from intruders—safe guards your lawn, flowers, children.



# CYCLONE FENCE



"Mary, Mary, quite contrary, how does your garden grow . . .?" Very nicely, because it's protected by Cyclone Fence from romping dogs, playing children and trespassing adults.



"Ride a cock horse to Banbury Cross . . ." but never leave your own backyard. Mothers can rest assured that their children will obey this order when they're playing behind sturdy Cyclone Fence.





# SAFEGUARDS LITTLE CHILDREN AT PLAY IN MOTHER GODSE LAND

"Winken, Blinken and Nod one night, sailed off in a wooden shoe . . ." Sometimes the thrill of the game makes the most careful child forget to stay at home. So let Cyclone Fence be his memory and guardian.



"Rub-a-dub-dub . . . and dolly's clothes are going to be just as clean as she can get them. And her Mother can do her own washing in peace . . . she knows her child is safe in her Cyclone-Fenced yard.



"See-saw, Marjorie Daw . . ." has been a favorite game for youngsters for years. And Mothers know that they can let their children play to their hearts' content in a yard fenced with Cyclone.





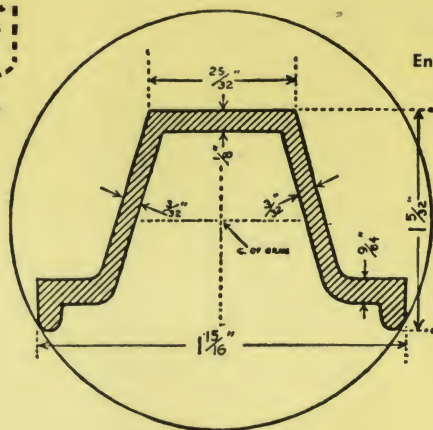
# CYCLONE Ideal Safeguard FENCE



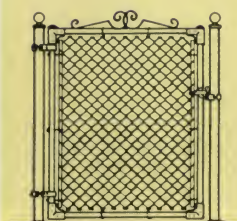
**WHEREVER PROTECTION IS DESIRED**—*at low cost*—Cyclone "Ideal Safeguard" Fence has been giving excellent service for many years. This fence—with line posts only somewhat lighter in weight than regular Safeguard with or without concrete bases to support line posts—is especially suitable for residential uses like those illustrated here.



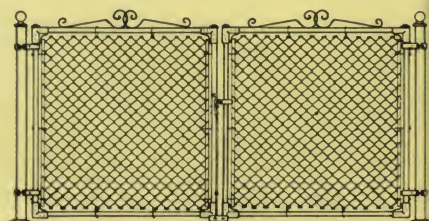
Line Post



Full Size Cross Section of Ideal Drive Post



Single Walk Gate



Double Drive Gate

## SPECIFICATIONS

**FABRIC**—Chain Link, 2" mesh, No. 9 or 11 Gauge Wire, Galvanized after Weaving.

**TERMINAL POSTS**—All end, corner and gate posts are tubular steel 2" outside diameter, hot galvanized. All set in substantial concrete bases.

**LINE POSTS**—All intermediate posts are "Ideal," high carbon U shape on 10 ft. centers usually set in concrete. May be set in ground in which case posts are equipped with drive plates.

**TOP RAIL**—Horizontal top rail is tubular steel, 1 3/8" outside diameter hot galvanized.



End or Gate Post



# Cyclone SAFEGUARD Chain-Link

**Built in Standard Heights from 3 ft. up to and including 12 ft.  
Chain-Link Fabric is Full Height of Fence**

**FABRIC:** "Galv-After" Chain-Link Wire Heavily Zinc Coated (or Hot Galvanized) by Hot-Dip Process AFTER Weaving. No. 11, 9, or No. 6 gauge wire woven in a 2-in. mesh. On heights 5 ft. and over both edges of fabric have twisted and barbed finish. On heights 4-ft. and lower one edge has twisted and barbed finish, the other has knuckled finish. On fences 4-ft. and lower standard construction is knuckled edge at top and dressed below top rail.

**POSTS:** Hot-Dip Galvanized.

**LINE POSTS:** "H" column weight 4.1 lbs. per foot for fences 6-ft. high and over. For fences 5-ft. high and under "H" col-

umns weighing 2.8 lbs. per ft. or 2.27 lbs. per ft. are used. All have carbon content of .35%. No used or re-rolled material is furnished.

Note: 6-ft. high fence may be supplied with 2.8 lb. section.

**END, CORNER, ANGLE AND PULL POSTS:** 3-in. O. D., weight 5.79 lbs. per lineal ft. where fence is 6-ft. and over in height. Where fence is less than 6-ft. in height, these posts are 2½-in. O. D., weight 3.65 lbs. per lineal ft. 2-in. O. D. weight 2.72 lbs. per ft. may be furnished on fence 4-ft. and lower.

**SLIDE GATE POSTS:** 4-in. O. D., weight 9.1 lbs. per lineal ft. are used for slide gates up to 30-ft. width.

**SLIDE GATE POSTS:** 6½-in. O. D., weight 18.97 lbs. per lineal ft. are used for all slide gates wider than 30-ft. opening.

**POST SPACING:** Posts are spaced in line of fence not farther apart than 10-ft. centers.

**DEPTH OF POST:** Line posts for fence 4-ft. or lower are set 24 inches in concrete base; terminal posts are set 30 inches in concrete base. In fence 5-ft. high and over all posts are set 36 inches in concrete base.

**POST SETTINGS:** Concrete bases for posts are of proper mixture, size and shape as determined by our Engineering Department, so as to furnish a foundation and support sufficient to withstand any strain or shock ordinarily brought to bear on fencing of this character. A liberal factor of safety is provided.

**TOPS:** All posts to be fitted with heavy ornamental tops. Base of top to carry apron around outside of post.

**TOP RAIL:** Hot-Dip Galvanized, 1½-in. O. D., or H Section weight 2.27 lbs. per lineal ft. when fence is 5-ft. and over in height. When fence is 4-ft. or lower, top rail is 1½-in. O. D. or H Section. Provided with expansion rail coupling. Top rail passes through post tops and forms a continuous brace from end to end of each stretch of fence. Top rail is securely fastened to end, gate and corner posts by means of suitable malleable iron or pressed steel connections.

**BRACES:** Hot-Dip Galvanized. On fences 6-ft. and over in height. End, gate and corner posts are suitably braced by means of tubular braces 1½-in. O. D. or H Section, weight 2.27 lbs. per lineal ft. Braces are spaced midway between top rail and ground and extend to the first line post. Braces are securely fastened to posts by means of malleable iron or pressed steel connections, then trussed from line post back to end, gate or corner post.

**FITTINGS:** Hot-Dip Galvanized. All fittings used in connection with Cyclone Safeguard fencing and gates are malleable, cast iron or pressed steel.

**FABRIC BANDS:** Fasten the fabric to line posts, spaced approximately 14 inches apart. Tie wires are used to attach fabric to top rail, spaced approximately 24 inches apart.

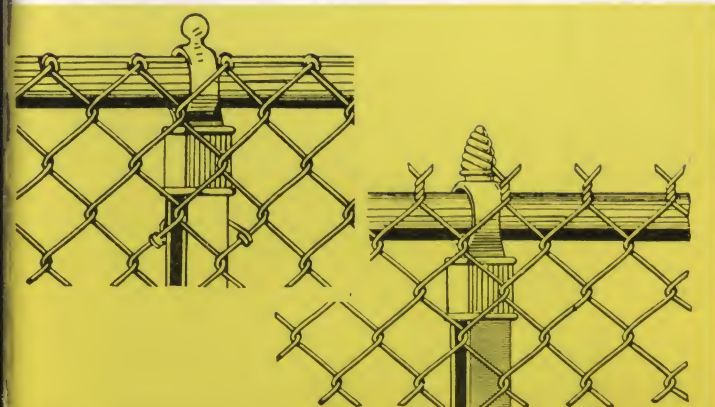
**FINISH:** All materials entering into the construction of this fence are heavily galvanized.

**DIAGRAM, PRICES, ETC.:** When writing for information, prices, etc., send simple diagram or layout of proposed fencing as explained on page 39. Give measurements of each stretch and total measurements. Indicate end, corner and gate posts, thus "O". State whether single or double swing, or sliding gates are wanted and give size of opening.

**STANDARD SWING GATE POST SPECIFICATIONS**

Gate Frame	Gate Opening	Gate Post	Weight Per Lin. ft.
1⅜" O.D.	Single to 6' or Double to 12' Incl.	2½" O.D.	3.65
1⅜" O.D.	Single Over 6' to 8' or Double Over 12' to 16' Incl.	3" O.D.	5.79
1⅜" O.D.	Single to 4' or Double to 8' Incl.	2½" O.D.	3.65
1⅜" O.D.	Single Over 4' to 8' or Double Over 8' to 16' Incl.	3" O.D.	5.79
1⅜" O.D.	Single Over 8' to 12' or Double Over 16' to 24' Incl.	4" O.D.	9.11
2" O.D.	Single to 6' or Double to 12' Incl.	3" O.D.	5.79
2" O.D.	Single Over 6' to 13' or Double Over 12' to 26' Incl.	4" O.D.	9.11
2" O.D.	Single Over 13' to 18' or Double Over 26' to 36' Incl.	6½" O.D.	18.97
2" O.D.	Single Over 18' or Double Over 36'	8½" O.D.	24.70

NOTE: 2" O.D. gate posts, weight 2.72 lbs. per foot may be used for fences 4-ft. high or lower when gate frames are 1⅜" O.D.



Top Finish of Safeguard Fence



# CYCLONE

**CYCLONE INVINCIBLE FENCE**, which has the same basic chain link construction as Safeguard Fence, has two distinct advantages which make it more effective for use where greater trespasser control is needed. It is available in standard heights from 7 to 12 feet . . . and is topped with three strands of barbed wire strung on strong extension arms usually set at a 45 degree angle to the fence.

Cyclone Invincible Fence gives excellent service at all sorts of amusement areas where easy collection of tickets and rigid control of entrance and exit traffic are required. With Cyclone Invincible Fence on guard—any vandal or "gate-crasher" will decide he's met his match.



At the famous Cotton Bowl, Invincible Fence and Gates control admissions, and Safeguard Fence on ramps guards patrons from nasty falls.



This photograph, taken at a County Fair Ground, shows the weave construction of Chain Link Fabric. Cyclone gives good protection, does not obscure vision.





# Invincible

# CHAIN LINK FENCE



The installation of trespasser-proof Cyclone Fence makes sure there will be no non-paying guests at this football field.

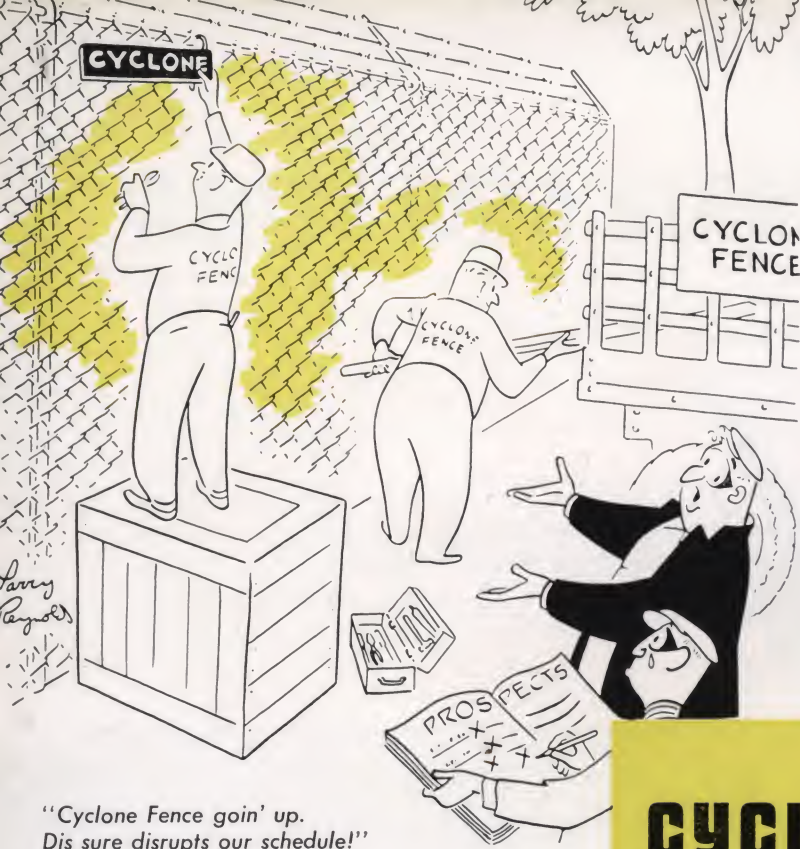


Many hospitals and similar institutions require strong, easily maintained fencing. And many of them use Cyclone—because it gives good service at low cost.



Controlling admissions at municipal or public pools has long been a popular use for Cyclone.





“Cyclone Fence goin’ up.  
Dis sure disrupts our schedule!”

# CYCLONE

# Invincible

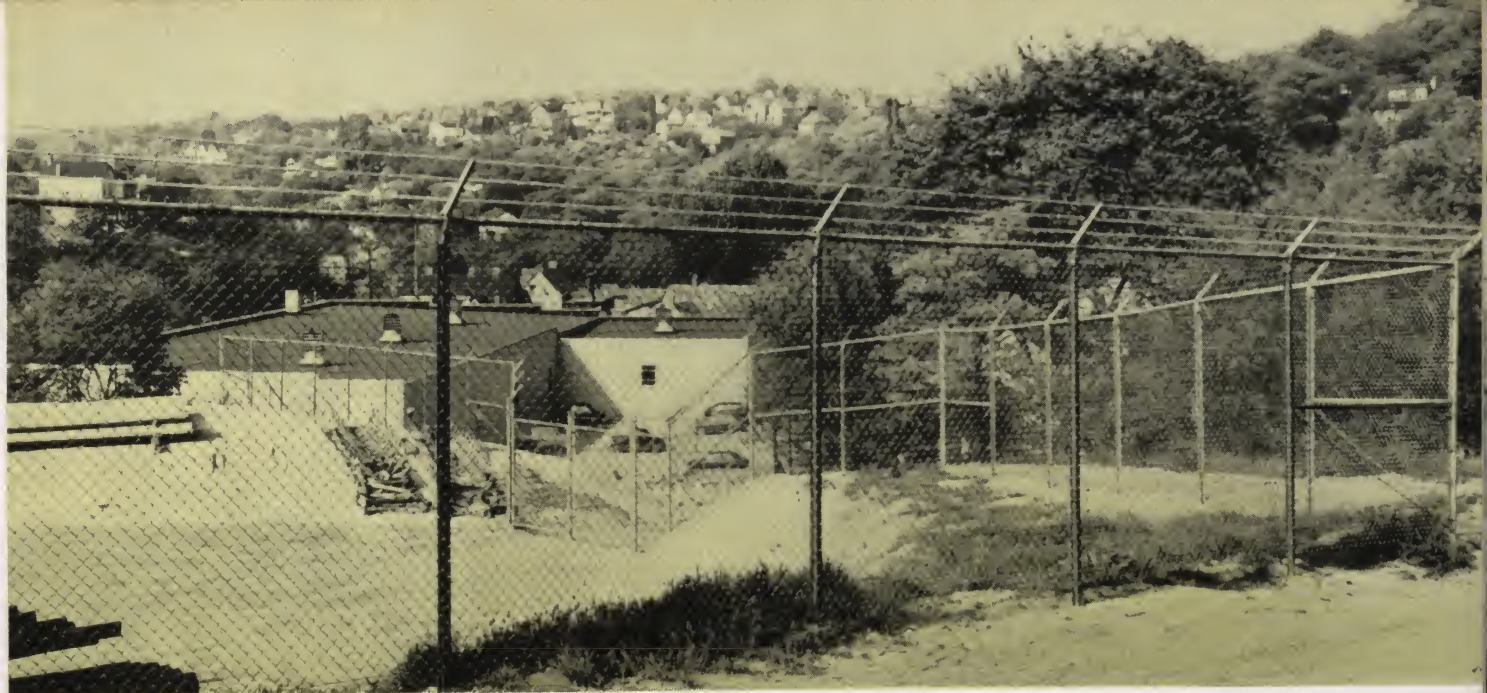
**THAT'S EXACTLY WHAT CYCLONE INVINCIBLE FENCE DOES** for industrial plants. It keeps them off burglars' lists of "easy marks."

It's a foolhardy thief or vandal indeed that would attempt to enter a plant made as thoroughly impenetrable as any of those shown here. Even if a thief should succeed in entering without accident, those three strands of barbed wire atop the fence would make a quick "get-away" impossible—always the intruder's biggest worry.

Thousands of miles of Cyclone Invincible Fence are today providing unsurpassed protection and economical good service to industrial plants of all kinds—from steel mills, power plants and refineries to storage tanks, warehouses and railroad yards. And thousands of satisfied plant owners and managers agree that Cyclone Invincible Fence gives them efficient entrance control at a reasonable cost.







## CHAIN LINK FENCE





# CYCLONE

# Invincible

# FENCE



*"That fence was there when I graduated from reform school."*



## OUR DISCOURAGED FRIENDS ARE RIGHT

. . . once installed, Cyclone Fence is up to stay. If properly installed, Cyclone will give satisfactory service under the most rugged conditions of climate, terrain, and usage with only the minimum of maintenance. A regular checking will keep your Cyclone Fence in good condition for many, many years. Its original cost . . . plus its low upkeep, spread over its many years of service . . . makes Cyclone the best fencing buy for industrial plant use.

Many installations of Cyclone Invincible Fence, like those shown here, have been in use for many years.





# Cyclone INVINCIBLE Fence

**FABRIC:** "Galv-After" Chain-Link, Heavily Zinc Coated (or Hot Galvanized) by Hot-Dip Process AFTER Weaving. No. 9 or No. 6 gauge wire, woven in a 2-inch Chain-Link diamond mesh. Top and bottom selvages to have twisted and barbed finish. Barbing to be done by cutting wire on bias, thus creating sharp points.

**TENSILE STRENGTH TEST:** Wire pickets of which this fabric is made to stand a tensile strength test of 90,000 pounds per square inch based on the cross sectional area of the galvanized wire.

**GALVANIZING TEST:** Wire fabric to stand six one minute immersions under the Preece Copper Sulphate Method of testing for uniformity and weight of coating. Test to be made on a section of wire picket at least four inches in length so as to include at least one bend and at least one straight side of the formed link in the test.

**LINE POSTS:** 2.25" H Column Section. Carbon content .35%.

**TERMINAL POSTS:** Hot-Dip Galvanized; standard full weight pipe.

**END, CORNER, ANGLE AND PULL POSTS:** 3-inch O.D., weight 5.79 lbs. per lineal ft.

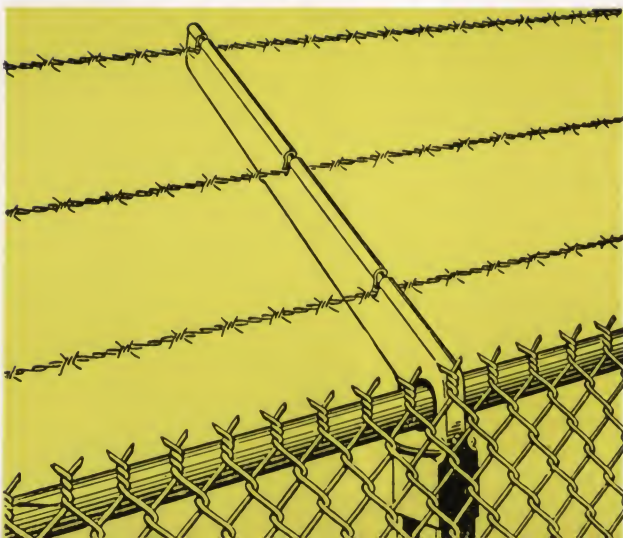
**SWING GATE POSTS:** 3-in. O.D., weight 5.79 lbs. per lineal ft. are used for single swing gates up to and including 6-ft. opening and for double swing gates up to and including 12-ft. opening.

**SWING GATE POSTS:** 4-in. O.D., weight 9.1 lbs. per lineal ft. are used for single swing gates wider than 6 ft. and up to and including 13-ft. opening; also for double swing gates wider than 12-ft. opening and up to and including 26-ft. opening.

**SWING GATE POSTS:** 6 $\frac{3}{8}$  in. O.D., weight 18.97 lbs. per lineal ft. are used for single swing gates wider than 13-ft. and up to and including 18-ft. opening; also for double swing gates wider than 26-ft. opening and up to and including 36-ft. opening.

**SWING GATE POSTS:** 8 $\frac{1}{2}$  in. O.D., weight 24.7 lbs. per lineal ft. are used for single swing gates wider than 18-ft. opening and for all double swing gates wider than 36-ft. opening.

Top Finish of Invincible Fence



**SLIDE GATE POSTS:** 4-in. O.D., weight 9.1 lbs. per lineal ft. are used for slide gates up to 30-ft. opening.

**SLIDE GATE POSTS:** 6 $\frac{3}{8}$ -in. O.D., weight 18.97 lbs. per lineal ft. are used for all slide gates over 30-ft. opening.

**POST SPACING:** Posts are spaced in line of fence not farther apart than 10-ft. centers.

**POST SETTING:** All posts are set 36 inches in concrete base of proper size and shape as determined by our Engineering Department, so as to furnish a foundation and support sufficient to withstand any strain or shock ordinarily brought to bear on fence of this character. A liberal factor of safety is provided.

**EXTENSION ARMS:** Hot-Dip Galvanized. All intermediate posts fitted with Cyclone Invincible Extension Arms, made of pressed steel. All end and corner posts are fitted with heavy malleable iron Arms. Each Arm carries three barbed wires securely fastened. Topmost barbed wire 12 inches above the fabric and 12 inches in or out from the fence line as desired, and at an angle of 45 degrees. Vertical Arms can also be furnished if desired.

**TOP RAIL:** Hot-dip galvanized pipe 1 $\frac{1}{2}$  in. O.D. or "H" section, weight 2.27 lbs. per lineal foot; provided with couplings approximately every 20 feet. Couplings to be outside sleeve type and at least 7 inches long. Top rail to pass through base of line post tops and form a continuous brace from end to end of each stretch of fence. Top rail to be securely fastened to terminal posts by pressed steel connections.

**BRACES:** Hot-Dip Galvanized. Brace material same as top rail. To be spaced midway between top rail and ground, and to extend from terminal post to first adjacent line post. Braces to be securely fastened to posts by suitable pressed steel connections, then trussed from line post back to terminal post with  $\frac{3}{8}$  in. round rod.

**FITTINGS:** Hot-Dip Galvanized. All Fittings used in connection with Cyclone Invincible fencing and gates are malleable, cast iron or pressed steel.

**BARBED WIRE:** 3 strands Special Cyclone galvanized after weaving. Of four point pattern, composed of two strands of No. 12 $\frac{1}{2}$  gauge Wire with large barbs placed 3 inches apart.

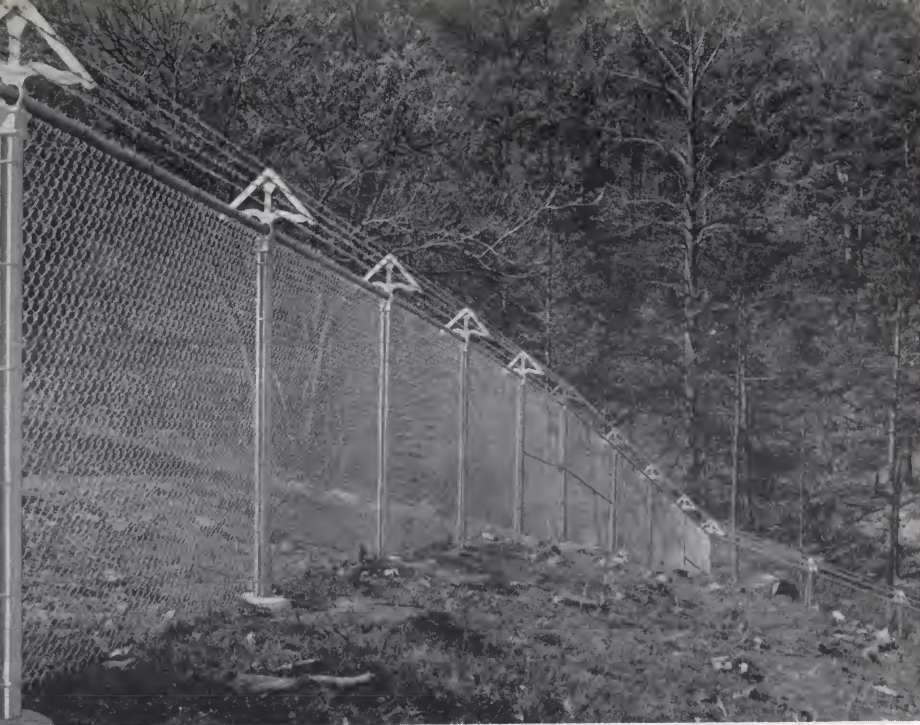
**FABRIC BANDS:** Fasten the fabric to line posts, spaced approximately 14 inches apart. Tie wires are used to attach fabric to top rail, spaced approximately 24 inches apart.

**GATES:** Frames made of 2-in. O.D., Hot-Dip Galvanized pipe, weight 2.72 lbs. per lineal ft. Corner fittings heavy malleable castings or pressed steel. Fabric same as in fence. Complete with ball-and-socket hinges, catch, stops and center rest.

**FINISH:** All materials entering into the construction of this fence, are heavily galvanized.

**DIAGRAM, PRICES, ETC.:** When writing for information, prices, etc., send simple diagram or layout of proposed fencing as explained on page 39. Give measurements of each stretch and total measurements. Indicate end, corner and gate posts, thus "O". State whether single or double swing, or sliding gates are wanted and give size of opening.

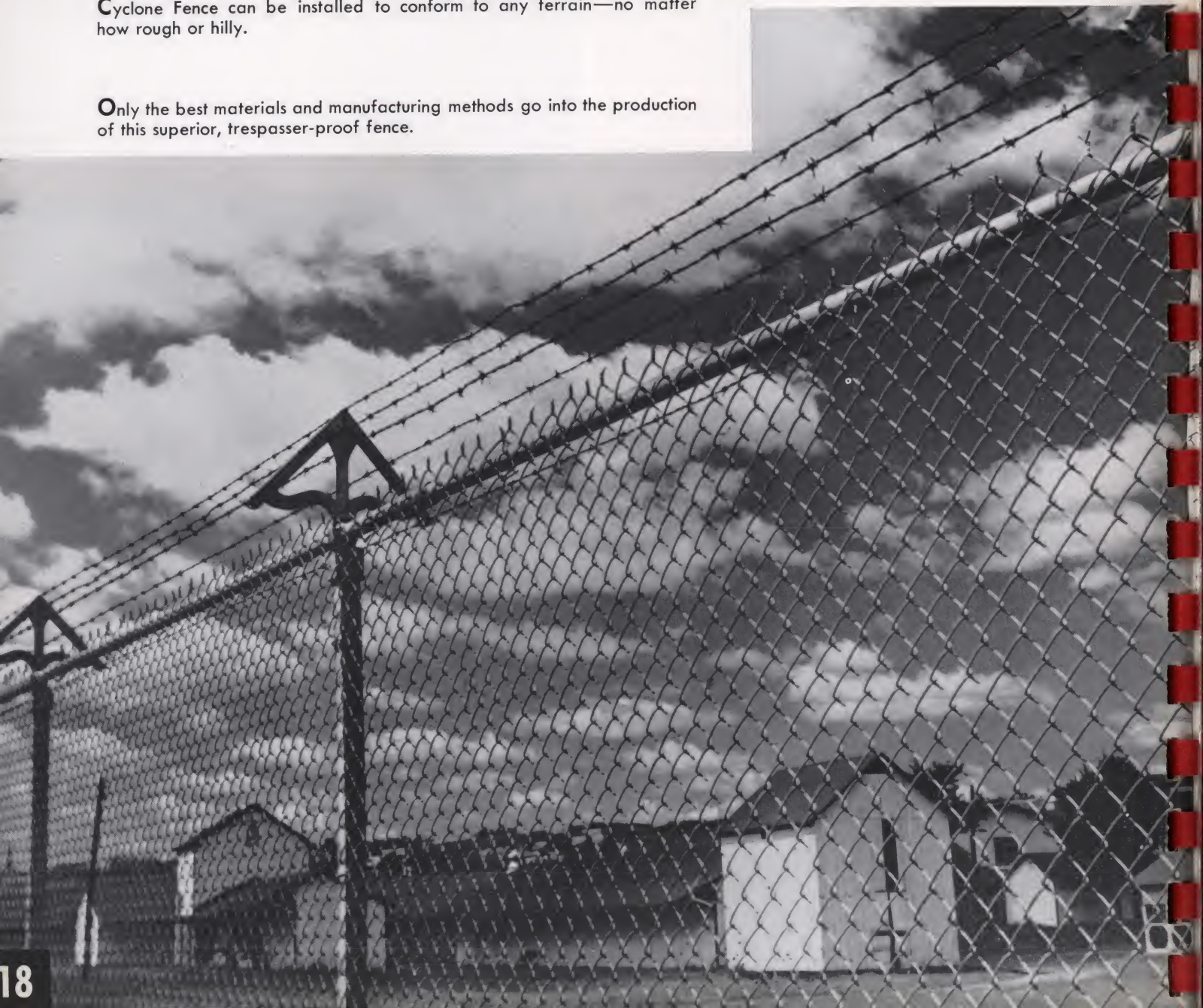




# CYCLONE

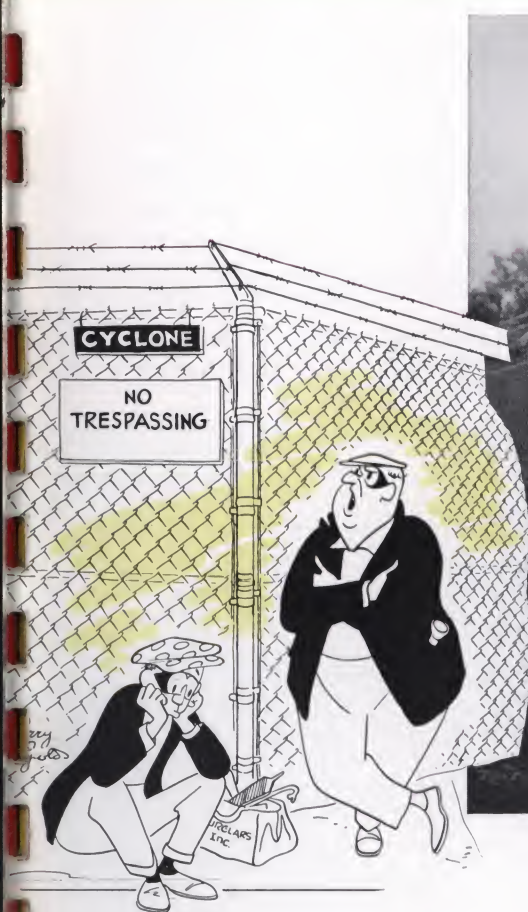
Cyclone Fence can be installed to conform to any terrain—no matter how rough or hilly.

Only the best materials and manufacturing methods go into the production of this superior, trespasser-proof fence.





# NON-CLIMBABLE CHAIN LINK FENCE



Cyclone Fence—the perfect protection for isolated property.

*No trespassin' . . . as though anybody could!"*

**CYCLONE NON-CLIMBABLE FENCE** really lives up to its name. It presents to casual trespassers and deliberate marauders alike an insurmountable barrier. Non-Climbable Fence, with its sturdy "A"-shaped extension arms carrying five strands of barbed wire, is the best watchman you can get for your plant, estate or

other property. It never turns its back . . . never goes off duty . . . never gets careless. It's on guard every minute of every day, giving you such complete freedom from worry over intrusion or vandalism that it's well worth the slight extra cost.



# CYCLONE **Victory** FENCE



As shown by this State Work Farm, Cyclone Fence is often successfully used to keep people *in* as well as *out*.



**THE CYCLONE FENCE** shown on this page is another version of the Non-Climbable Fence—called "Victory" fence. Notice that the arms which extend from each side of this fence are "V"-shaped rather than "A", and that they carry six, not five, strands of barbed wire.



Not much imagination is needed to figure how difficult it would be for even the most agile and experienced burglar to scale this fence. And there's no chance for a quick escape.



It's sometimes more important to protect the intruder than the property. Here Cyclone Victory Fence keeps trespassers safe from accident on a private beach.



# Cyclone NON-CLIMBABLE Fence

**FABRIC:** "Galv-After" Chain-Link, Heavily Zinc Coated (or Hot Galvanized) by Hot-Dip Process AFTER Weaving. No. 9 or No. 6 gauge wire, woven in a 2-inch Chain-Link diamond mesh. Top and bottom selvages to have twisted and barbed finish. Barbing to be done by cutting wire on bias, thus creating sharp points.

**TENSILE STRENGTH TEST:** Wire pickets of which this fabric is made to stand a tensile strength test of 90,000 pounds per square inch based on the cross sectional area of the galvanized wire.

**GALVANIZING TEST:** Wire fabric to stand six one minute immersions under the Preece Copper Sulphate Method of testing for uniformity and weight of coating. Test to be made on a section of wire picket at least four inches in length so as to include at least one bend and at least one straight side of the formed link in the test.

**LINE POSTS:** 2.25" H Column Section. Carbon content .35%.

**TERMINAL POSTS:** Hot-Dip Galvanized; standard full weight pipe.

**END, CORNER, ANGLE AND PULL POSTS:** 3-inch O.D., weight 5.79 lbs. per lineal ft.

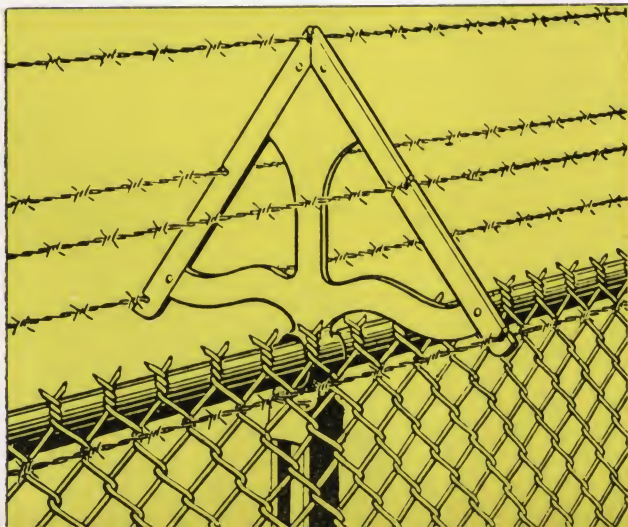
**SWING GATE POSTS:** 3-in. O.D., weight 5.79 lbs. per lineal ft. are used for single swing gates up to and including 6-ft. opening and for double swing gates up to and including 12-ft. opening.

**SWING GATE POSTS:** 4-in. O.D., weight 9.1 lbs. per lineal ft. are used for single swing gates wider than 6 ft. and up to and including 13-ft. opening; also for double swing gates wider than 12-ft. opening and up to and including 26-ft. opening.

**SWING GATE POSTS:** 6 $\frac{3}{8}$  in. O.D., weight 18.97 lbs. per lineal ft. are used for single swing gates wider than 13-ft. and up to and including 18-ft. opening; also for double swing gates wider than 26-ft. opening and up to and including 36-ft. opening.

**SWING GATE POSTS:** 8 $\frac{3}{8}$  in. O.D., weight 24.7 lbs. per lineal ft. are used for single swing gates wider than 18-ft. opening and for all double swing gates wider than 36-ft. opening.

Top Finish of Non-Climbable Fence



**SLIDE GATE POSTS:** 4-in O.D., weight 9.1 lbs. per lineal ft. are used for slide gates up to 30-ft. opening.

**SLIDE GATE POSTS:** 6 $\frac{3}{8}$ -in. O.D., weight 18.97 lbs. per lineal ft. are used for all slide gates over 30-ft. opening.

**POST SPACING:** Posts are spaced in line of fence not farther apart than 10-ft. centers.

**POST SETTING:** All posts are set 36 inches in concrete base of proper size and shape as determined by our Engineering Department, so as to furnish a foundation and support sufficient to withstand any strain or shock ordinarily brought to bear on fence of this character. A liberal factor of safety is provided.

**EXTENSION ARMS:** Hot-Dip Galvanized. All intermediate posts fitted with Cyclone Non-Climbable Extension Arms, made of pressed steel riveted to heavy malleable iron base. All end and corner posts are fitted with heavy malleable iron Arms. These Arms carry five barbed wires securely fastened. Topmost barbed wire 12 inches above the fabric.

**TOP RAIL:** Hot-dip galvanized pipe 1 $\frac{1}{2}$  in. O.D. or "H" section, weight 2.27 lbs. per lineal foot; provided with couplings approximately every 20 feet. Couplings to be outside sleeve type and at least 7 inches long. Top rail to pass through base of line post tops and form a continuous brace from end to end of each stretch of fence. Top rail to be securely fastened to terminal posts by suitable pressed steel connections.

**BRACES:** Hot-Dip Galvanized. Brace material same as top rail. To be spaced midway between top rail and ground, and to extend from terminal post to first adjacent line post. Braces to be securely fastened to posts by suitable pressed steel connections, then trussed from line post back to terminal post with  $\frac{3}{8}$  in. round rod.

**FITTINGS:** Hot-Dip Galvanized. All Fittings used in connection with Cyclone Non-Climbable fencing and gates are malleable, cast iron or pressed steel.

**BARBED WIRE:** 5 strands Special Cyclone galvanized after weaving. Of four point pattern, composed of two strands of No. 12 $\frac{1}{2}$  gauge Wire with large barbs placed 3 inches apart.

**FABRIC BANDS:** Fasten the fabric to line posts, spaced approximately 14 inches apart. Tie wires are used to attach fabric to top rail, spaced approximately 24 inches apart.

**GATES:** Frames made of 2-in. O.D., Hot-Dip Galvanized pipe, weight 2.72 lbs. per lineal ft. Corner fittings heavy malleable castings or pressed steel. Fabric same as in fence. Complete with ball-and-socket hinges, catch, stops and center rest.

**FINISH:** All materials entering into the construction of this fence, are heavily galvanized.

**DIAGRAM, PRICES, ETC.:** When writing for information, prices, etc., send simple diagram or layout of proposed fencing as explained on page 39. Give measurements of each stretch and total measurements. Indicate end, corner and gate posts, thus "O". State whether single or double swing, or sliding gates are wanted and give size of opening.





## CYCLONE CHAIN LINK

## TENNIS COURT ENCLOSURES



**A** complete enclosure needs a good gate. And since this one is made of the same fabric as the enclosure itself, it's ready for many years of use.

**Tennis court . . .** at your service. No one can hit a ball hard enough to spring that sturdy Cyclone fabric out of shape or chip its rust-resistant, galvanized coating.

The same fine, durable "Galv-After" Chain Link Fabric that has made Cyclone an outstanding property-protection fence, is also used in the construction of Cyclone Tennis Court Enclosures.

These sturdy, long-wearing enclosures are in use on many courts—public, club and private—all over the country. They are usually fabricated in accordance with accepted standards, but can be built to any specification you supply. Cyclone's experienced design engineers will be glad to consult with you without obligation.

For private courts—or others not in heavy or continuous use—Cyclone makes and recommends Tennis Backstops. These, of course, do not have all the advantages of complete enclosures, but in many instances will prove quite satisfactory . . . and reduce court cost considerably.

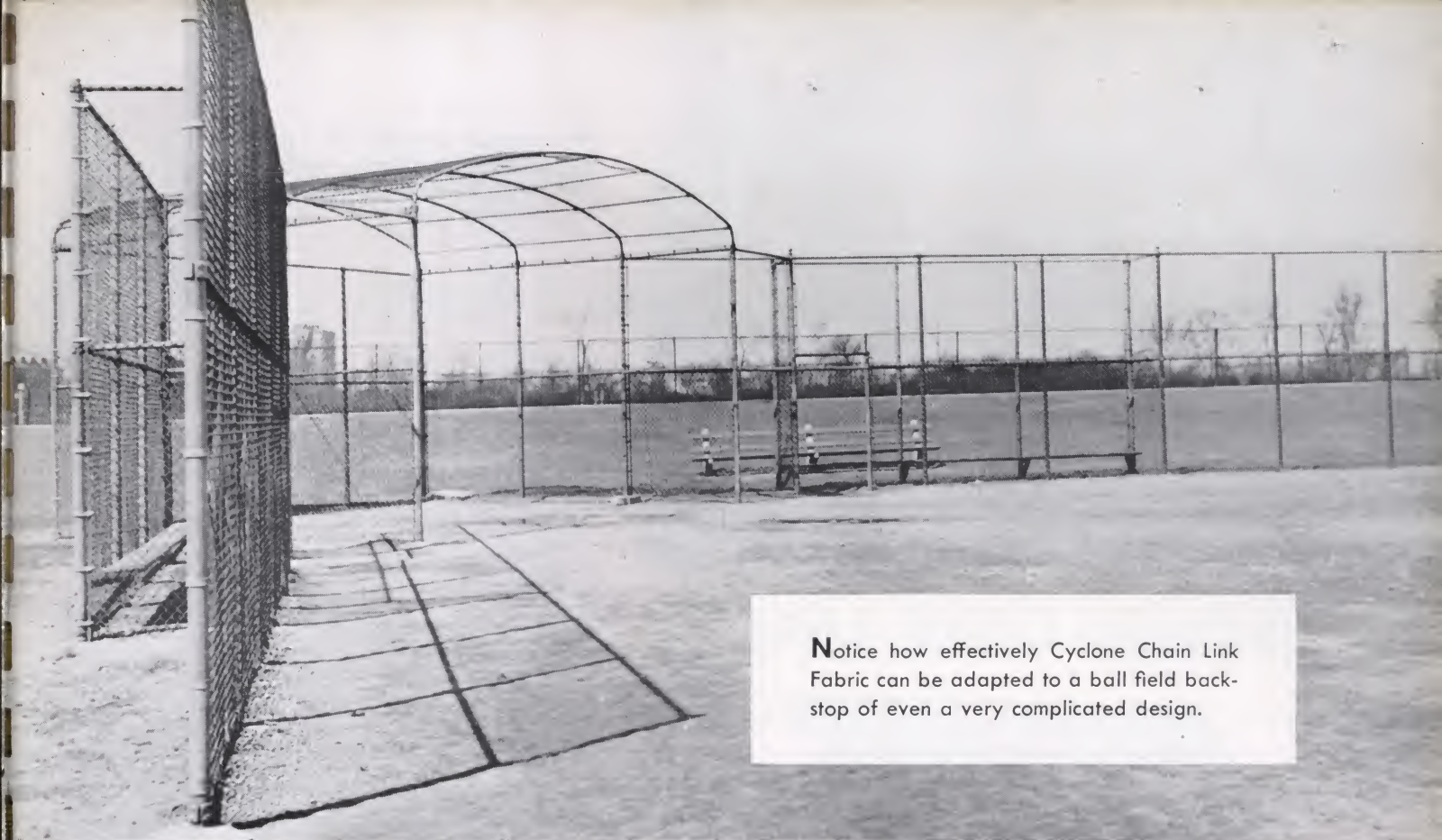
*Cyclone will also supply, for additional cost, tennis net posts . . . set in poured concrete or in sleeves, and complete with ratchet tightener.*



**Multi-court layout, but only one fence.** An excellent way to supply adequate fencing for several courts . . . at reasonable cost.



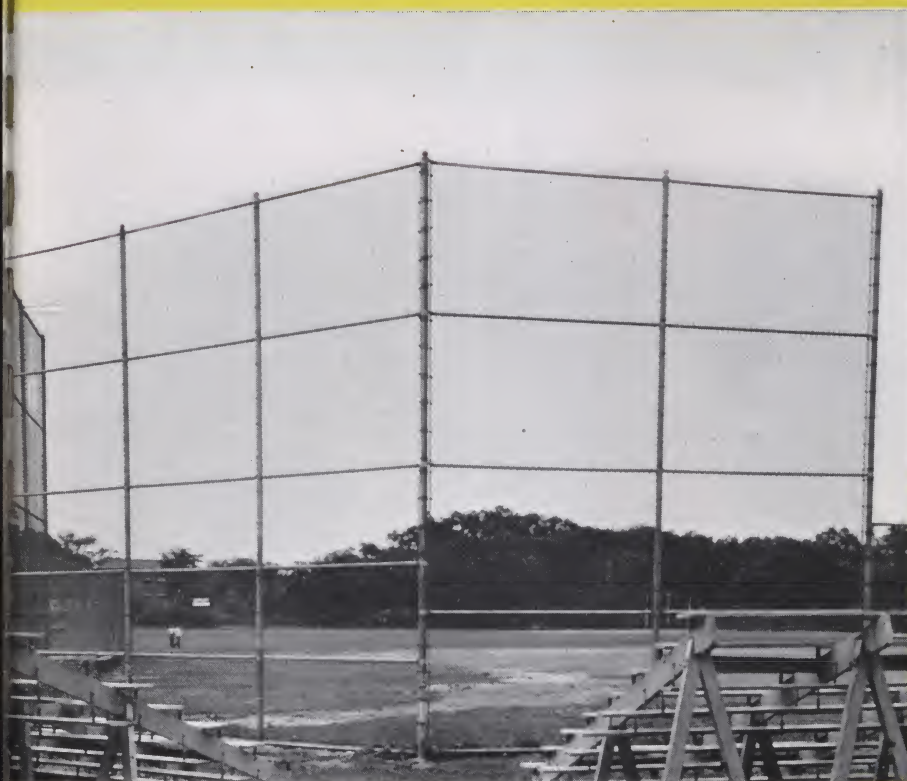




Notice how effectively Cyclone Chain Link Fabric can be adapted to a ball field backstop of even a very complicated design.

## CYCLONE CHAIN LINK

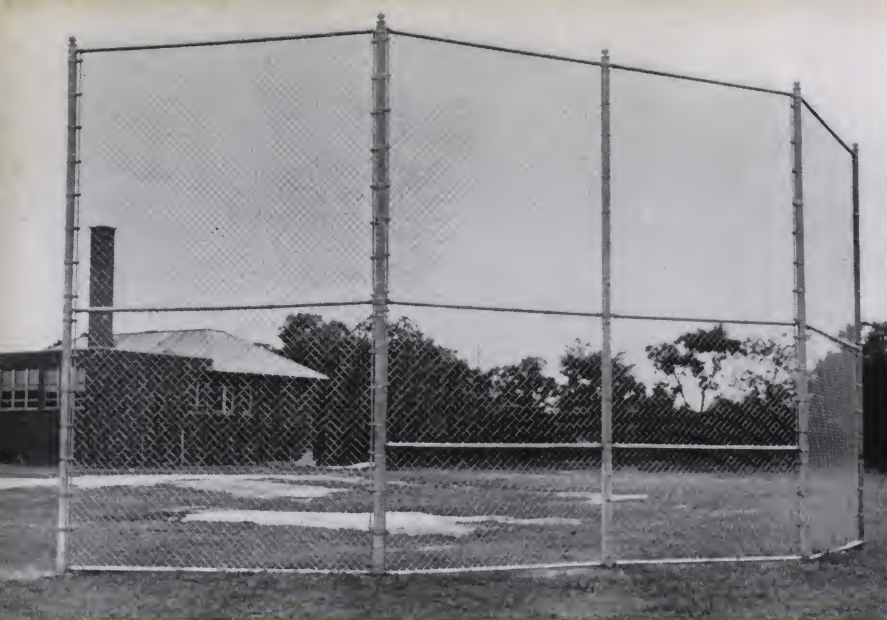
## BACKSTOPS



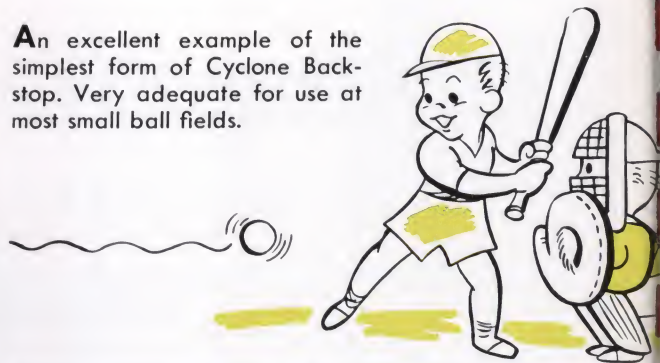
Another popular use for Cyclone Chain Link fabric is in the manufacture of ball field backstops. Shown here and on the next page are several examples of backstops designed for either regular or soft ball games. They are made in three types: The simple straight style, the straight with overhang and the more elaborate type with catcher's box, protective wings and players' cages.

Spectators can watch a game here in perfect safety. There's no danger of a nasty blow from a hard-hit ball.





An excellent example of the simplest form of Cyclone Back-stop. Very adequate for use at most small ball fields.



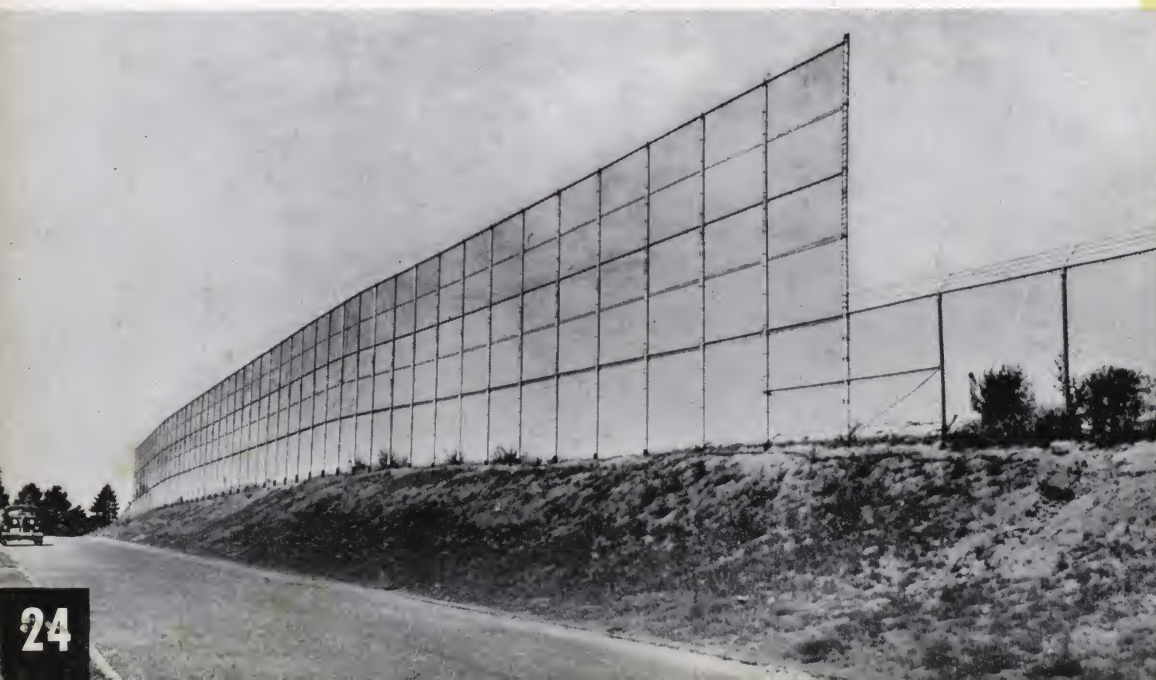
## CYCLONE CHAIN LINK

### BACKSTOPS

No lost balls from pop-up fouls when this backstop with overhang at top is installed behind home plate.



Golf courses, too, need backstops, Passing pedestrians and motorists are surely and inexpensively protected from powerfully-driven golf balls.





# Tennis Court Enclosures and Backstops

Standard Height: 10 ft. also furnished in 8 ft. and 12 ft. heights

**FABRIC:** "Galv-After" Chain-Link, Heavily Zinc Coated (or Hot-Galvanized) by Hot-Dip Process AFTER Weaving. No. 11 gauge wire woven in a 1¾-in. mesh. Top and bottom selvages of fabric have knuckled finish. One width fabric up to and including 12 feet high. Center rail furnished for 12 foot fence only.

**POSTS:** Hot-Dip Galvanized.

**LINE POSTS:** 2.25" H Column Section. Weight 4.1 lbs. per foot. Carbon content .35%.

**END, CORNER AND GATE POSTS:** 3-in. O. D., weight 5.79 lbs. per lineal ft.

**DEPTH OF POSTS:** All posts are set 36 inches in concrete base.

**POST SETTINGS:** Concrete bases for posts are of proper mixture, size and shape as determined by our Engineering Department to furnish a foundation and support sufficient to withstand any strain or shock ordinarily brought to bear on fencing of this character. A liberal factor of safety is provided.

**POST TOPS:** Hot-Dip Galvanized. All posts fitted with heavy ornamental tops.

**TOP RAIL:** Hot-Dip Galvanized pipe 1½ in. O. D. or "H" section. Weight 2.27 lbs. per lineal foot; provided with couplings approximately every 20 feet. Couplings to be outside sleeve type and at least 7 inches long. Top rail to pass through base of line post tops and form a continuous brace from end to end of each stretch of fence. Top rail to be securely fastened to terminal posts by suitable pressed steel connections.

For 12 ft. High Fence—Center rail is furnished. Center rail to be same size and weight material as top rail.

**BRACES:** Hot-Dip Galvanized. Horizontal braces furnished for end gate and corner posts. Brace materials same as top rail; spaced midway between top rail and ground, and to extend from terminal post to first adjacent line post. Braces to be securely fastened to posts by suitable pressed steel connections, then trussed from line post back to the terminal post with a ¾-in. round rod. Note: Brace and truss not required on center rail construction.

**FITTINGS:** Hot-Dip Galvanized. All fittings used in connection with Cyclone Tennis Court fencing and gates are malleable, cast iron or pressed steel.

**FABRIC BANDS:** Fasten the fabric to line posts, spaced approximately 14 inches apart. Tie wires are used to attach fabric to top rail, spaced approximately 24 inches apart.

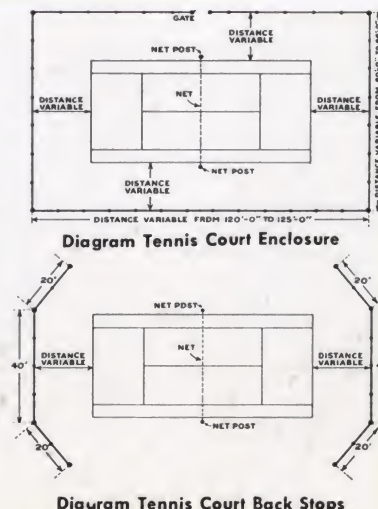
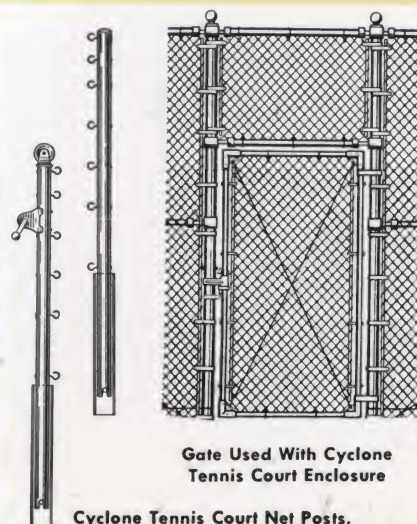
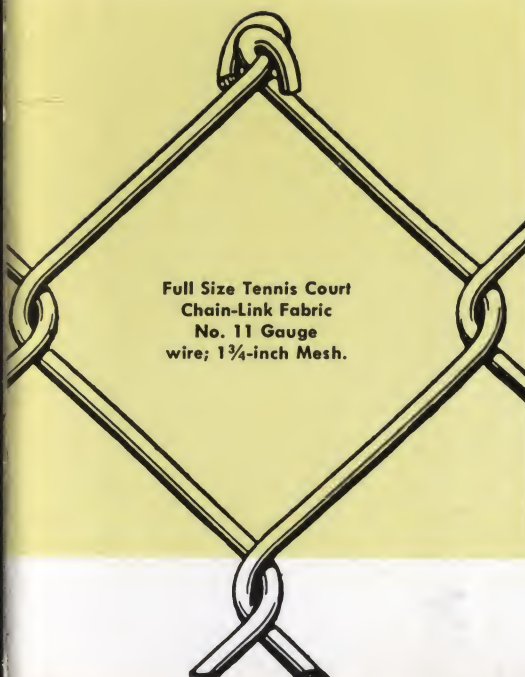
**FINISH:** All materials entering into the construction of this fence are heavily galvanized.

**DIAGRAM, PRICES, ETC.:** When writing for information, prices, etc., send simple diagram as indicated below. Give measurements of each stretch and total measurements. Indicate end, corner and gate posts, thus "O". State whether single or double swing gates are wanted and give size of opening.

**GATES:** Gate frames to be made of Hot-Dip Galvanized pipe 1½-in. O.D. Weight 2.27 lbs. per lineal foot. Corner fittings heavy malleable castings or pressed steel. Fabric same as in fence. Gates to be complete with malleable iron hinges and catches.

Single Gates: 7 foot overhead clearance with transom panel above gate.

Double Gates: 8 foot overhead clearance with transom panel above gate.





## FOR LARGE ESTATES AND SMALLER PRIVATE HOMES

. . . for cemeteries and some industrial establishments . . . wherever the absolute degree of protection and trespasser exclusion is not necessary and where appearance is an important consideration, Cyclone Steel Picket Fence makes ideal fencing. It establishes boundary lines and reminds people—politely—that this is private property.

Shown here are some of the designs that Cyclone's experienced *Artists in Steel* have created over the past many years. There are many more in our files which we will be happy to show you upon request. And, if you have a special design in mind or if your installation requires some unusual treatment, we will be happy to make a fence to your or your architect's specifications.

**T**he ultimate in dignity for a private estate. This Cyclone Steel Picket Fence has its severity relieved by the decorative touch at the top.



# CYCLONE



# Steel Picket FENCE



In keeping with the dignity of this imposing structure is a Cyclone Steel Picket Fence especially designed to blend with the architecture of the building.



It doesn't say—"No Trespassing, Keep Out"—but it does gently remind passers-by that this is private and should be treated as such.



The plainest—and one of the most popular—in the entire Cyclone Picket Line, this fence marks the border of the property very effectively, yet does not detract from the beauty of the landscaped grounds.

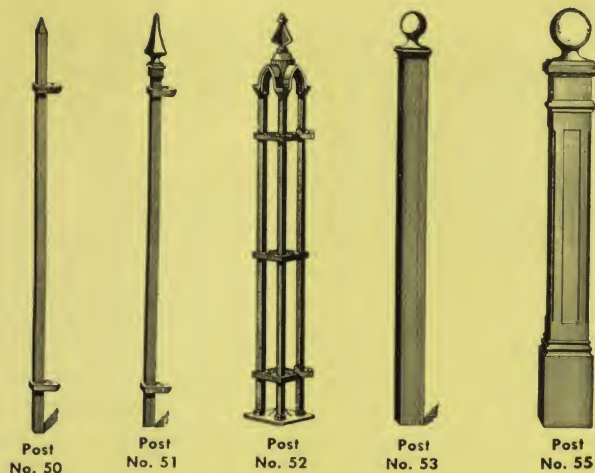




Two examples of the way Cyclone Steel Picket Fence can be adapted to the needs of business or industrial applications where absolute protection is not necessary.



A special design of Cyclone Steel Picket Fence and Gates contributes to the seclusion of this cemetery, complements the beauty of its landscaping and architecture.



## END, CORNER AND GATE POSTS

POST NO. 50—1-inch square solid steel. Pointed top. Adaptable to fences up to 48 inches in height.

POST NO. 51—1-inch square solid steel, with wrought malleable top as shown. For fences up to 48 inches in height.

POST NO. 52—A built-up post with square solid steel upright members and wrought malleable top, bands and base plate. Base plate and bands 6 inches square for standard heights up to 60 inches.

POST NO. 53—Steel tubing 2, 2½ or 3-inch square ornamented with cast iron ball top; also flange base if required. For use with any height fence listed.

POST NO. 55—Cast iron. Extra heavy walls. Cast in one piece including base. Posts for fences 4 to 6-ft. high are 6 inches square at base. Posts for fences 6-ft. to 8-ft. high are 8 inches square at base. Posts for fences 8-ft. to 10-ft. high are 12 inches at base. All posts are built to extend 36 inches below grade.

All of the above posts are provided with proper bases for concrete setting; cuts show posts to grade line only.

## LINE POSTS

STYLE "C" LINE POSTS: For fences up to and including 48 inches in height; made of 1½x¾-inch flat steel with sheared top. Furnished with steel back-brace and foot bar. This line post is generally used with the No. 50 terminal posts.

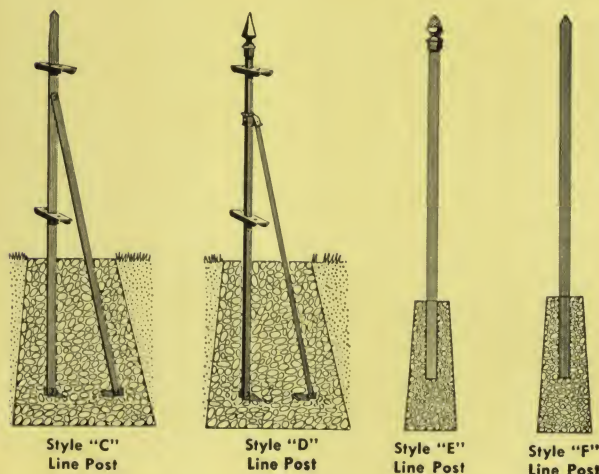
STYLE "D" LINE POSTS: Made of 1-inch square solid steel with pointed top, or ornamented with wrought malleable top as shown. Furnished with steel back-brace and foot bar. This line post is generally used with No. 51 terminal posts.

STYLE "E" LINE POST: Standard for fences over 60 inches in height and for all heights in fence specifications C. It is a structural section, 3-inch "I" Beam requiring no back-brace. Furnished with cast iron ornamental top.

STYLE "F" LINE POST: Same as style "E" except that it has a sheared top.

STYLE "H" LINE POST: 2-in. "H" column, with sheared or ornamental tops, same as styles "E" and "F". Used when fence is 60 inches or lower and fence specifications A and B in all designs are used.

The foregoing recommendations regarding the use of line posts are the result of our experience in manufacturing and installing high grade wrought iron fences. However, these posts are interchangeable, and if your fencing conditions are different, any combination of panels and posts will be arranged to suit your requirements.



Style "C"  
Line Post

Style "D"  
Line Post

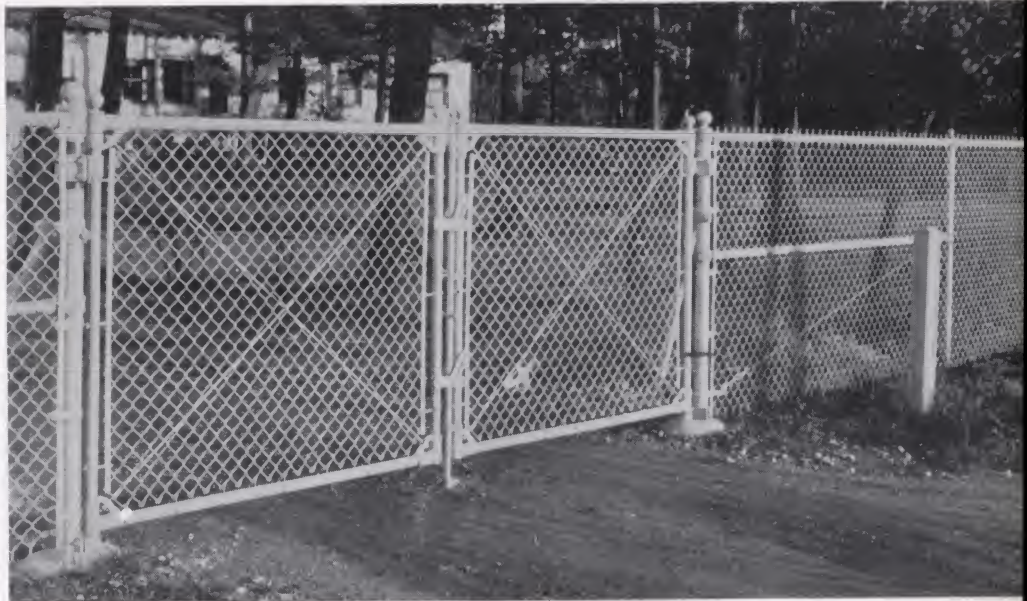
Style "E"  
Line Post

Style "F"  
Line Post





**H**ere are two Cyclone Chain Link Gates for residential use. The double drive gate is excellent for restricting undesirable traffic from private property. And the garden walk gate helps the fence make a backyard into a safe playground.



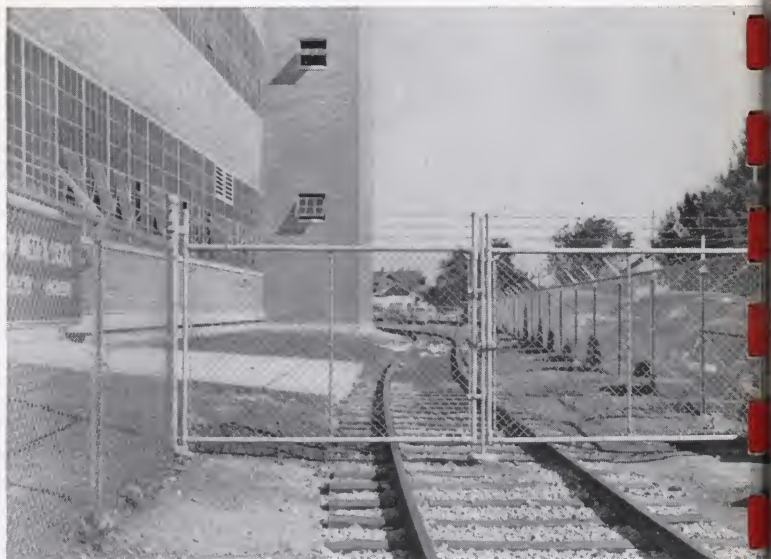
**T**hese three illustrations below show how Cyclone Gates—either swinging or sliding—can be adapted to fit a variety of industrial uses. Notice too, that Cyclone Gates can be readily fitted with extension arms strung with sharp barbed wire to conform to the style of fence used.





# CYCLONE GATES

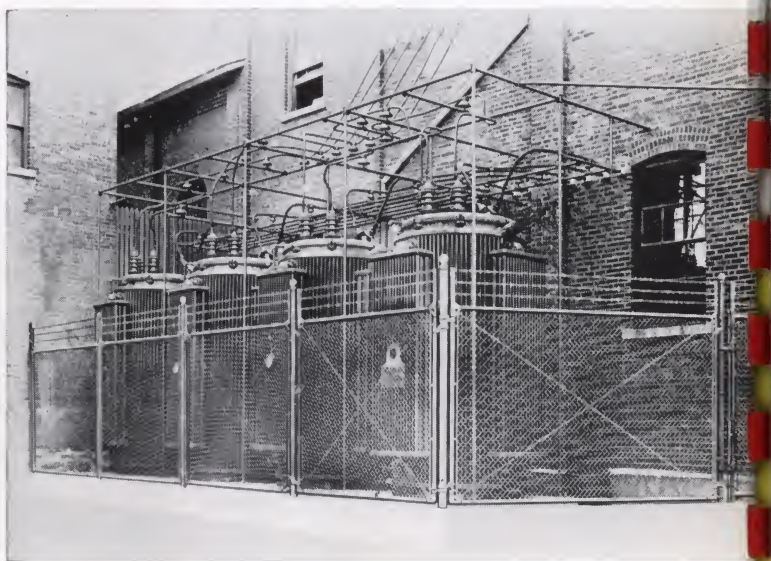
**IN ADDITION TO PRODUCING** a widely varied line of standard gates, Cyclone constructs many different styles and sizes of special-purpose gates—made to the customers' exact specifications. A few of the more commonly-used Cyclone industrial gates are illustrated here.



**Cyclone Double Swing Gate**



**Special Cyclone Railroad Gate**



**Cyclone Removable Panels**



**Cyclone Steel Picket Gates**



**Cyclone Double Slide Gate**



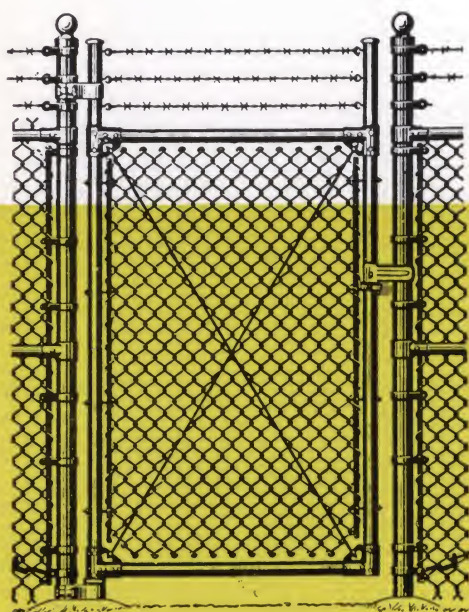
**THE PURPOSE OF A GATE** is to swing open and shut—that's its whole job. So when a gate drags or sticks it is a first class nuisance. That's why we build Cyclone gates as rugged as possible—why we equip them with solidly-built hinges and catches—why we mount Cyclone Gates on heavy posts.

Because gate performance is so important, we are always developing ways to make Cyclone Gates operate even more smoothly—serve more dependably and economically year after year. Appearance is important too—and this factor is always taken into consideration when new designs are being studied.

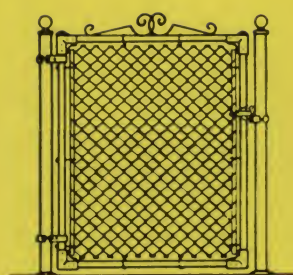
**ILLUSTRATED ON THIS PAGE** are gates for use on industrial and institutional fence installations, cemeteries, homes and estates. Distinctive Steel Picket Gates as well as various Chain Link Gates may be produced to customers' specifications.



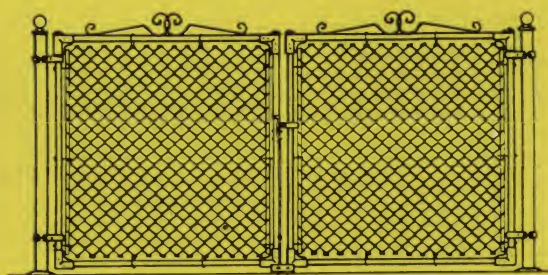
Gate Post and portion of Industrial offset Swing Gate



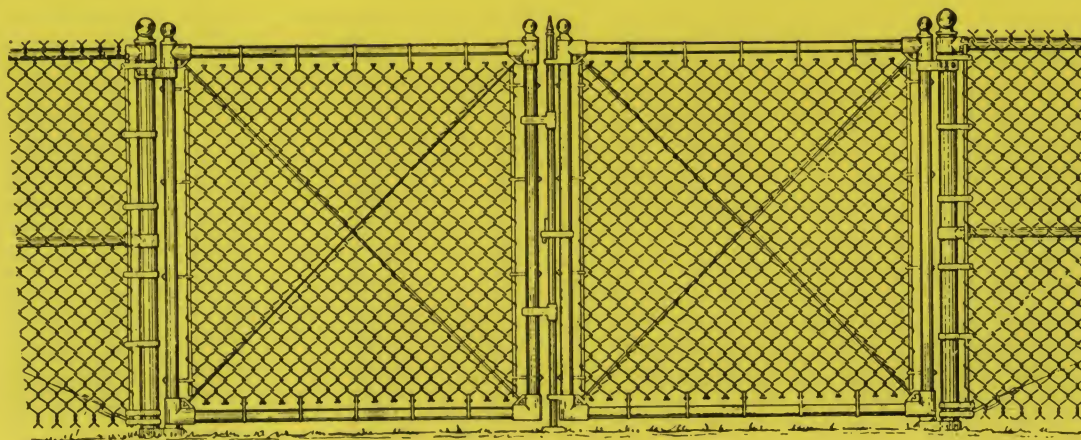
Industrial Walk Gate



Residential Walk Gate



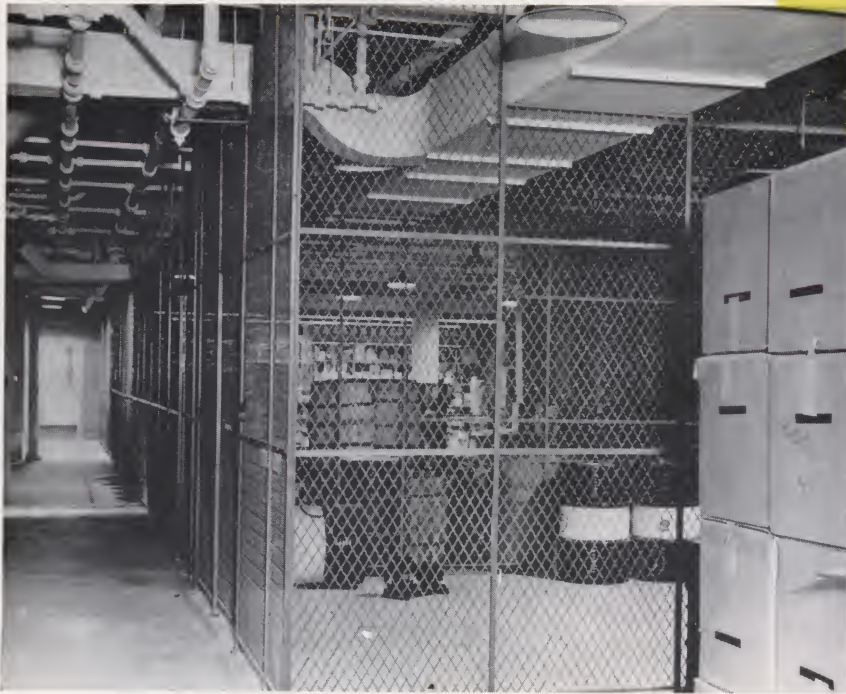
Residential Double Drive Gate



Safeguard Double Drive Gate without Scroll Top



# CYCLONE



Every plant needs extra protection for valuable inventories and stores for confidential plans and blueprints—for tools, dies and patterns for vital power controls, and many other uses.

Cyclone Sectional Wire Partitions are tough to break through—yet access to enclosed areas can be accomplished by easily-operated doors equipped with rugged locks. Cyclone partitions allow free movement of air—permit visibility of the restricted area. Service windows may be provided in sections where necessary.

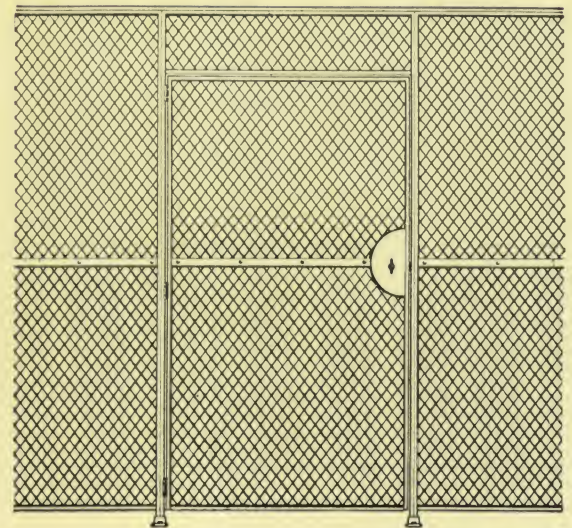
## WIRE WORK

### SWING DOORS

The hinges are heavy butt type, riveted to the door frame and hinge bar.

The lock is of tumbler type, bronze interior, master-keyed—a smooth working unit that clicks open and snaps shut with perfect precision. Riveted lock plates make it tamper-proof.

Usually there is a knob handle that controls the lock on the inside of the enclosure, and a key opening on the outside. The diagram or floor plan accompanying your order should indicate which side of the partition is the INSIDE, and which way the door should swing.



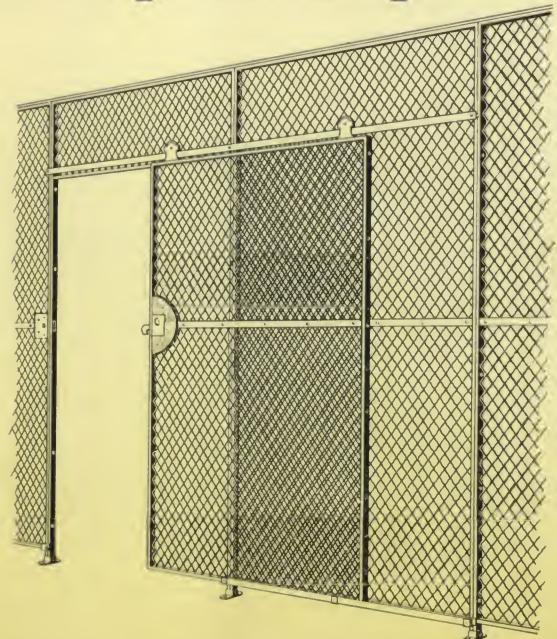
### SLIDE DOORS

Doors of this type are especially convenient and desirable where space is limited, and there is not sufficient room to swing a door.

This door is built with ball-bearing hangers that operate on an over-head track.

Cyclone Sliding Doors are very easy to handle; they do not get out of order; they are always under control, and may be opened an inch or full width, as desired.

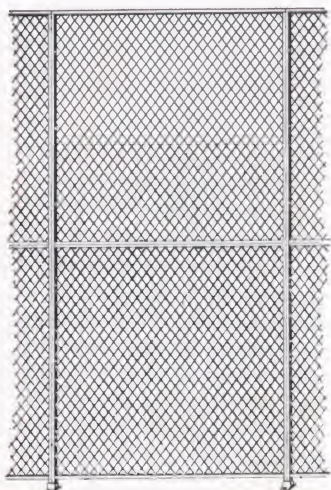
The frames, fabric, finish and lock specifications provide for the same high quality as furnished in Cyclone Swing Doors. Indicate on your sketch which way your doors should slide.





# PARTITIONS

## WIRE MESH PARTITIONS



*Built In Sections; Standard Size*

Cyclone sectional partitions are always equal to the requirements of your business. Sections can be added as needed, or taken out and used elsewhere. All sections punched alike for bolts—no refitting—no loss. Quick changes in departments can be made any time. Pick up any section, place in position, bolt to adjoining sections—no fitting or trouble. Easy to erect partitions for any purpose. All sections are standard size.



## SPECIFICATIONS

*5 Ft. Wide by 8 Ft. High*

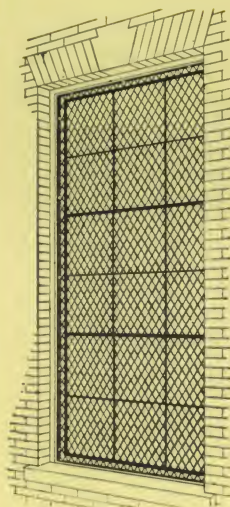
**FRAMES**—1-in. channel iron with floor flanges for wood or concrete floors.

**FABRIC** made of No. 10 gauge steel wire woven in 1½-in. diamond mesh and securely locked in framework.

**PARTITIONS** are equipped with either swinging or sliding doors. Hand holes or wickets in partitions or doors provided where desired.

**DOORS** provided with tamper-proof latches and locks. All partitions given coat of special black metal paint.

## WINDOW GUARDS



**F**rames are 1-in. channel, ¾-in. channel or ¾-in. round iron. Guards with channel-iron frames fit into the openings and exact opening sizes are required. Guards with round-iron frames usually allow ¾-in. on all sides for lap, but can be made to fit into openings. In all cases specify outside-to-outside measurements of complete guards.



**F**abric—No. 10 gauge wire woven in 1½-in. diamond mesh, is a specification commonly used. However, Cyclone Window Guards are furnished with size of wire and mesh to suit any condition. Furnish opening sizes for estimates and quotations. All guards given heavy coat of special black metal paint.

## WOVEN WIRE SIGNS



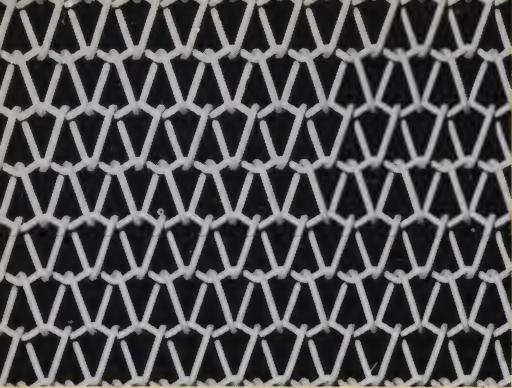
**B**uilt in any size with heavy channel-iron frames. Letters are heavy-galvanized sheet steel. All signs are constructed to withstand weather conditions, and give permanent service. State length and height of sign wanted, also name to be displayed. Please give dimensions when requesting prices.

## CYCLONE HUSKY BASKETS

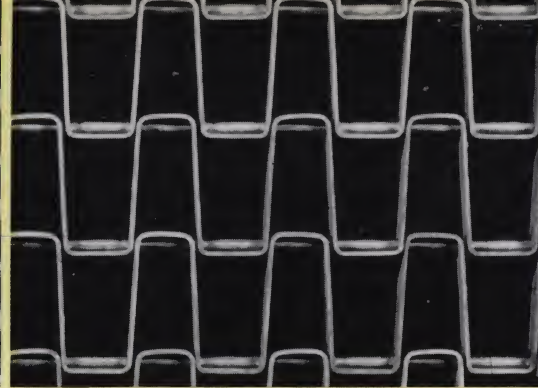
**T**o keep plants and grounds free of unsightly litter, provide these sturdy open mesh baskets. Heavily reinforced to withstand abuse.







EQUALIZED SPIRAL



FLAT WIRE



R&L ALTERNATING SPIRAL WOVEN

Automatic handling and transportation of parts and products through varied processing stages by modern conveying units equipped with Cyclone Metal Belts is helping more and more manufacturers to speed up production, increase output, improve quality, reduce manual labor and cut production costs.

Illustrated here are four major types of metal conveyor belts from Cyclone's Complete Belt Line.

Cyclone Metal Belts are "tailor-made" for a wide variety of tough processing jobs on which belts of other materials fail. Made to the specific requirements of the individual job, Cyclone Belts are relatively unaffected by water, steam, high heat, cold, acids, alkalis or other chemicals. They are Flexible, Porous, Sanitary, Immersible, Heat-Resistant.

## CYCLONE METAL CONVEYOR BELTS

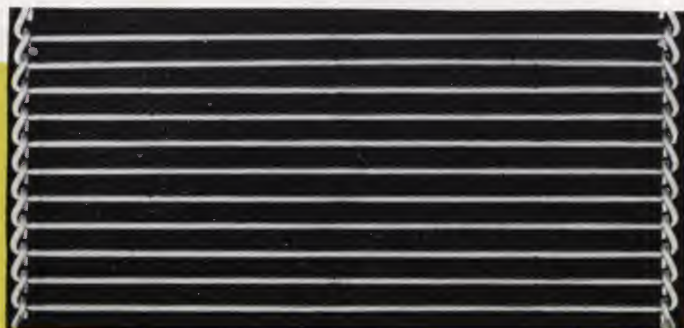
The variety of uses that industry is developing for Cyclone Metal Conveyor Belts is increasing steadily . . . and Cyclone Belt Engineers are working constantly to assist in designing the right metal conveyor belts for many new operations where automatic handling methods can be applied.

Cyclone Spiral Woven Belts are produced in many different combinations of wire sizes and mesh openings, from wires of special metallurgical analysis to meet specific operating conditions. Flat Wire Belt is

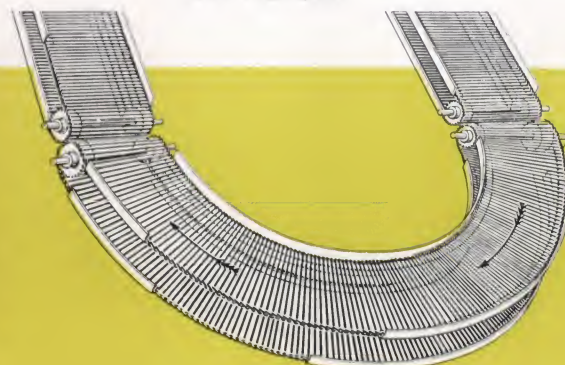
made in three mesh sizes, one-inch by one-inch, half-inch by one-inch and half-inch by half-inch. Cyclone Flex-Grid Belts are furnished in two designs for straight-line and for turn conveyor operations. All styles of Cyclone Metal Belts are available in both Carbon and U.S.S. Stainless Steels.

We will be glad to mail you a separate catalog devoted entirely to Cyclone Metal Conveyor Belts. Why not write for it?

STRAIGHT FLEX-GRID



TURN FLEX-GRID

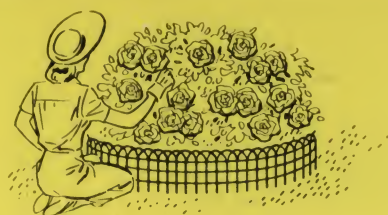






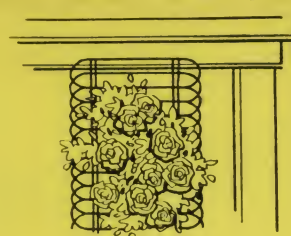
### CYCLONE CATCH-ALL BASKETS

are made of strong, sturdy steel wire and serve as trash containers or waste paper burner baskets. Closely-woven mesh confines burning fragments, eliminates fire hazard. Raised bottom insures ample draft.



### CYCLONE FLOWER BED BORDER

makes a pleasing edging for paths, walks and blooming beds. It's a first class reminder to "Keep off the grass and away from flowers."



### CYCLONE TRELLIS

is a strong, sturdy foundation for roses, vines and other plants to cling to. It is substantial enough to hold heavy plants . . . galvanized for years of service.



### CYCLONE HUSKY BASKETS

are stronger, heavier and designed for use where severe abuse would bend or break lighter baskets. Especially popular with municipalities as trash baskets for sidewalks, parks, beaches, cemeteries.

# OTHER WIRE PRODUCTS

*made by*

## CYCLONE FENCE



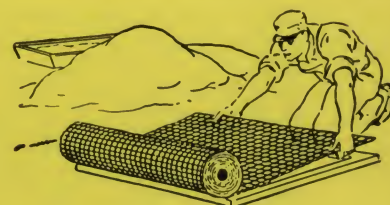
### CYCLONE "RED TAG" INSECT WIRE SCREENING

is available in galvanized, bronze, and aluminum finishes and comes in standard widths from 24 to 48 inches. It's durable, good-looking and woven in a firm, even mesh.



### CYCLONE CLOTHES LINE POSTS

heavily galvanized or painted—are available in two styles, both of which are 9 feet, 6 inches high and should, for best service, be set 3 feet deep in concrete bases. No. 2. post's crossarm is securely fastened to upright by heavy malleable iron fittings.



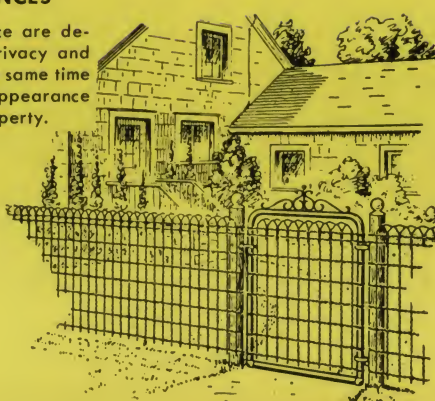
### CYCLONE "RED TAG" WOVEN HARDWARE CLOTH

with the exclusive welded selvage meets a multitude of household, municipal and industrial needs. Hot-dip galvanizing after weaving affords greater strength, rigidity and resistance to rust.



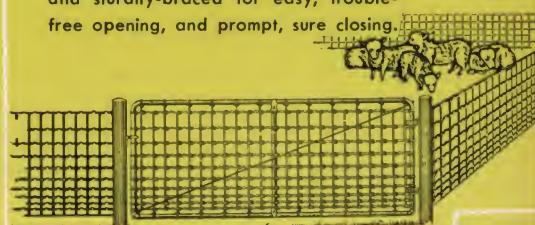
### CYCLONE LAWN FENCES

Both these styles of lawn fence are designed to provide low-cost privacy and property protection and at the same time present an attractive, neat appearance in keeping with residential property.



### CYCLONE STYLE "A" FARM GATE.

This good-looking gate for pasture and other farm uses, is woven of extra strong, heavily galvanized wire for long life and wear. Well-made to eliminate sagging and sturdily-braced for easy, trouble-free opening, and prompt, sure closing.





# CYCLONE METHOD OF FENCING

**F**rom beginning to end . . . from mining of ore to production of the finished fence . . . every step in the manufacture of Cyclone Fence is handled by Cyclone or by one of the other manufacturing divisions of United States Steel. And it will pay you to have the same concern that makes this outstanding fence, *install* it for you, too. You'll get better service from your fence when it's installed by Cyclone experts who understand exactly how Cyclone Fence

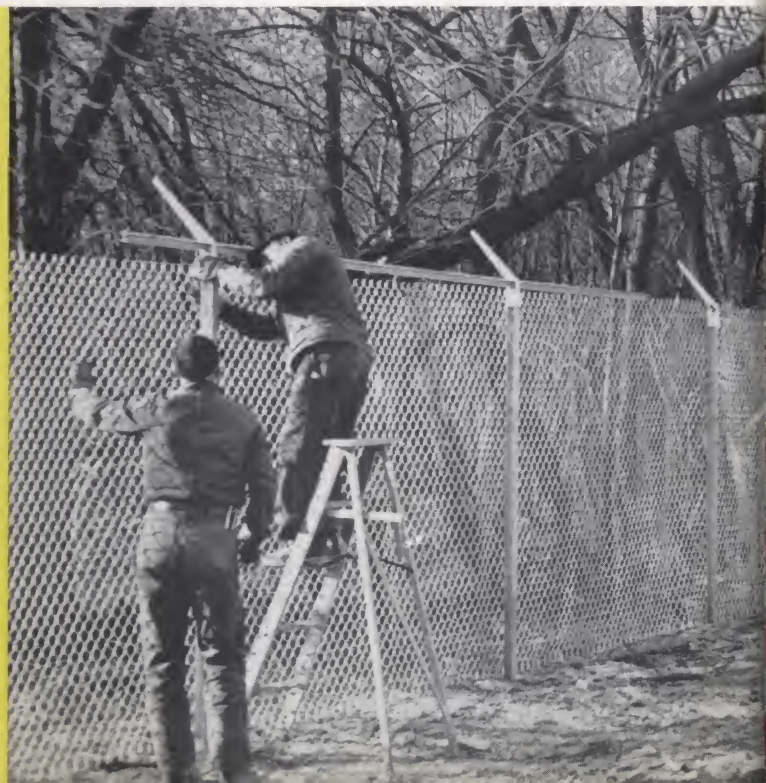
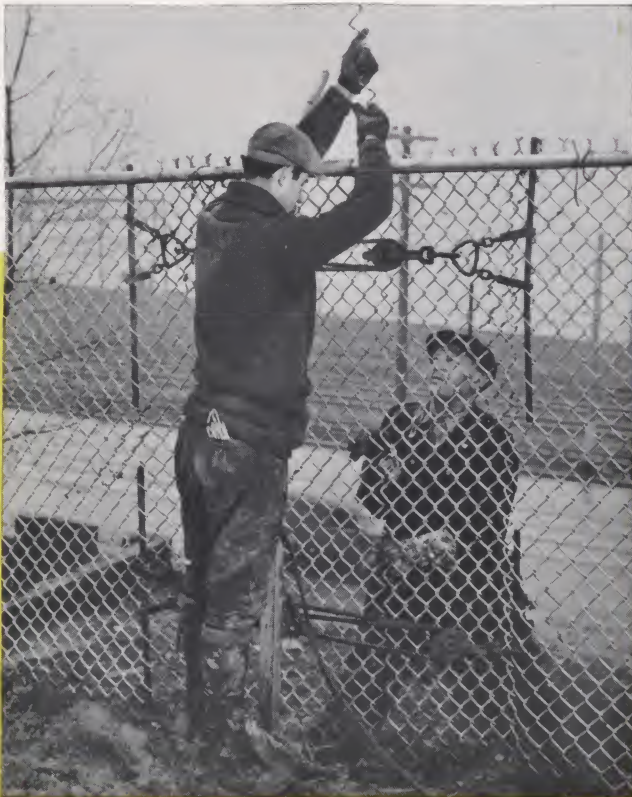
should be erected under all possible conditions of weather, terrain and use.

Cyclone maintains trained erection crews with adequate tools and equipment permanently situated in strategic locations all over the country. There is one of these teams near you to give you prompt and efficient service on your fence installation.

Every member of these Cyclone teams has received factory training in every step of the installation process. They are completely capable of handling every fencing job—no matter how difficult. Every job is completed exactly according to specifications. Cyclone assumes the entire responsibility for the finished installation. You are requested to inspect your installation and express your satisfaction before we consider the job finished.

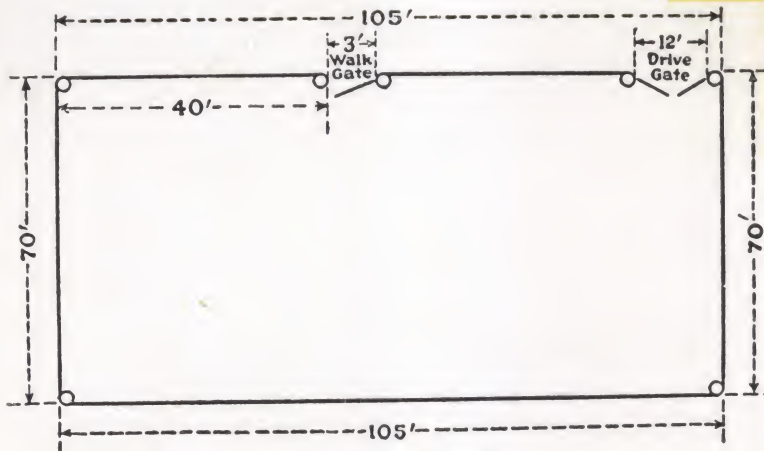
It's a simple matter to make Cyclone Chain Link Fabric endless. Use a single strand and weave two sections together. The joint then becomes exactly like the rest of the fence. Makes replacing a damaged section easy, too.

Cyclone workmen, from a specially trained crew, attach Cyclone Chain Link fabric to framework.





# INFORMATION REQUIRED



Sample Diagram Fig. No. 1

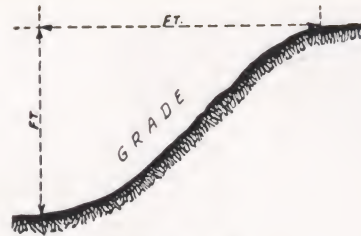


Fig. No. 2

In case you wish to correspond with us regarding proposed fencing for your property, it will be very helpful if you will furnish a diagram as indicated by Fig. No. 1. Indicate the fence by straight lines, and the gates by openings. Indicate end, corner and gate posts thus: "O". Give width of gate openings. For drive gates, state whether single or double gates are wanted. Give exact measurement of each stretch of fence, and total measurements, including gate openings. Use care to see that all measurements are correct, as the fence will be estimated or made up according to the diagram sent us.

Mention height and style of fence. If fence is to be built on wall or curb, give full details. State whether wall or curb is built, or will be built when fence is erected, in order that posts of proper length can be furnished. State height and width, also material of which wall is constructed. Specify whether gates shall be height of fence only, or total height of fence plus the height of wall or curb.

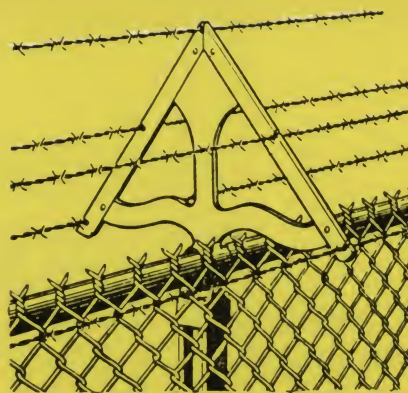
Cyclone Fence will conform to any ordinary grade. If grade is extreme, it should be shown as indicated by diagram, Fig. No. 2.

If you prefer, a Cyclone representative will measure your property and compile all data necessary for building and installing your fence.





INVINCIBLE EXTENSION  
ARMS FOR "H" COLUMN POST



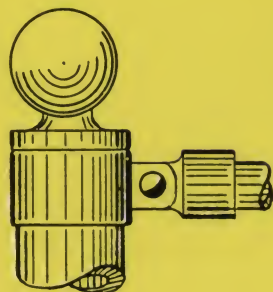
TOP FINISH OF  
NON-CLIMBABLE FENCE



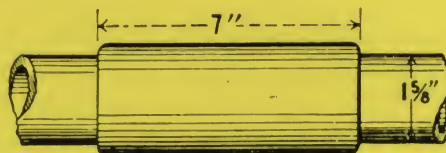
TOP FINISH OF VICTORY  
FENCE



VERTICAL LINE  
POST TOP FOR  
INVINCIBLE  
FENCE



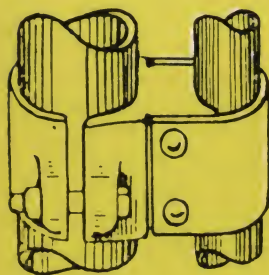
SAFEGUARD  
END AND GATE POST TOP  
WITH RAIL ATTACHMENT



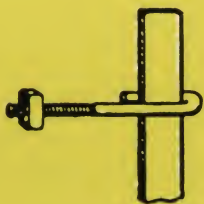
SLEEVE COUPLING FOR  
TOP RAIL TUBULAR



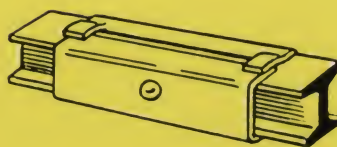
BAND FOR  
STRETCHING  
BARBED WIRE



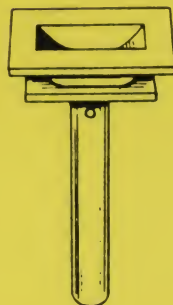
TOP GATE HINGE



HOOK BOLT  
FOR STRETCHING FABRIC  
IN GATES



SLEEVE COUPLING  
FOR TOP RAIL  
"H" COLUMN



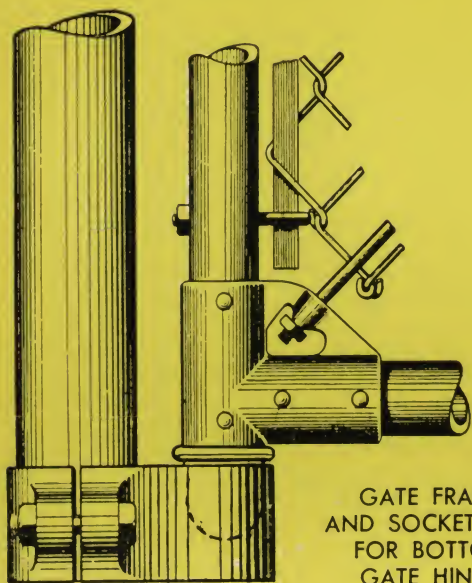
PLUNGER ROD CATCH  
FOR HEAVY GATES



SAFEGUARD TOP  
FOR 2.25 "H"  
COLUMN SECTION  
LINE POST



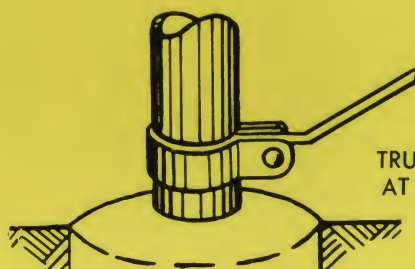
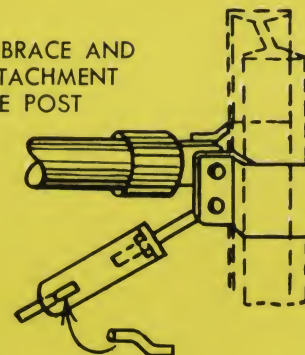
SAFEGUARD TOP  
FOR 1.875 "H"  
COLUMN SECTION  
LINE POST



BOTTOM GATE HINGE

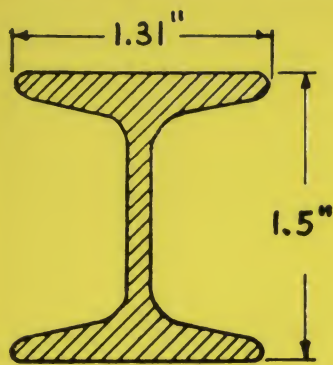
GATE FRAME  
AND SOCKET BALL  
FOR BOTTOM  
GATE HINGE

DETAIL OF BRACE AND  
TRUSS ATTACHMENT  
AT LINE POST

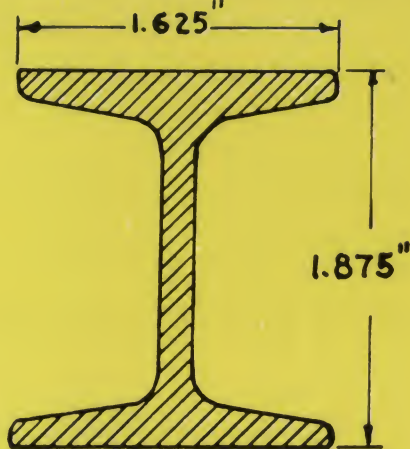


TRUSS ATTACHMENT  
AT TERMINAL POST

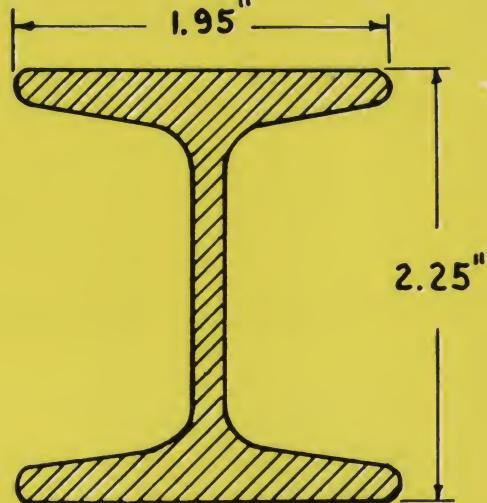




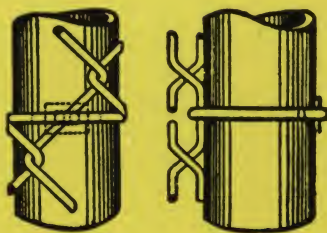
1.5  
"H" COLUMN SECTION  
FULL SIZE DETAIL



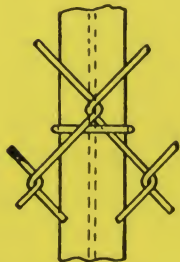
1.875  
"H" COLUMN SECTION  
FULL SIZE DETAIL



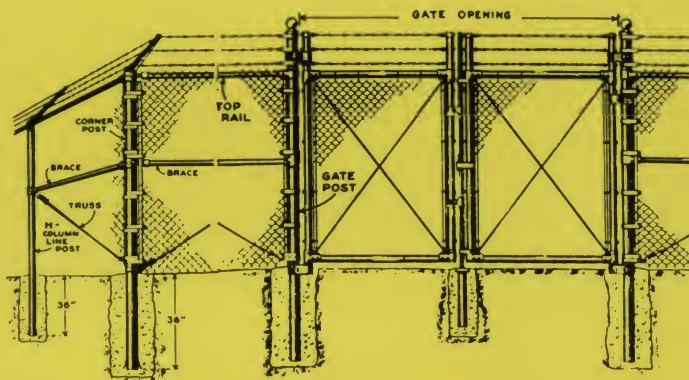
2.25  
"H" COLUMN SECTION  
FULL SIZE DETAIL



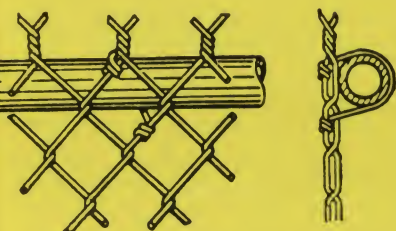
METHOD OF TYING FABRIC  
TO TUBULAR LINE POST



METHOD OF TYING FABRIC  
TO H COLUMN LINE POST



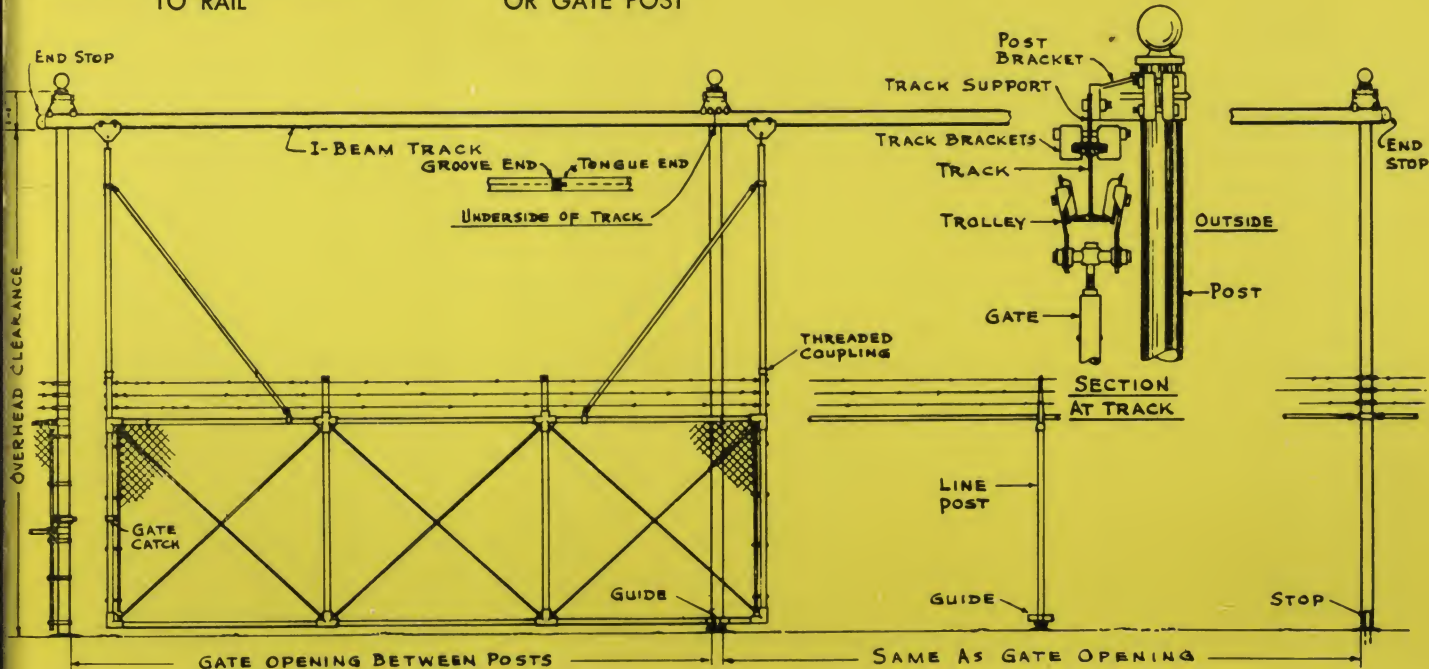
GATE CORNER AND BRACE POST CONSTRUCTION  
INVINCIBLE FENCE



METHOD OF TYING FABRIC  
TO RAIL



SECTION OF END  
OR GATE POST



DETAIL OF CYCLONE SLIDING GATE



# MODERN FACTORIES and WAREHOUSES

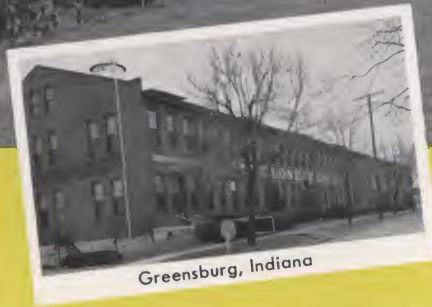
COAST TO COAST

*Mean Superior Products—Superior Service*

Waukegan, Illinois



De Kalb, Illinois



Greensburg, Indiana



Oakland, California

## CYCLONE FENCE WAREHOUSE LOCATIONS

BEAUMONT, TEXAS

BOSTON (Malden), MASS.

CHICAGO (Berwyn), ILL.

CLEVELAND, OHIO

CORPUS CHRISTI, TEXAS

DALLAS, TEXAS

DETROIT, MICH.

FORT WORTH, TEXAS

GREENSBURG, IND.

HOUSTON, TEXAS

JACKSON, MISS.

KANSAS CITY, MO.

LOS ANGELES, CALIF.

LUBBOCK, TEXAS

MEMPHIS, TENN.

MIAMI, FLA.

MILWAUKEE, WISC.

MINEOLA, N. Y.

MINNEAPOLIS, MINN.

NEWARK, N. J.

NEW ORLEANS, LA.

OKLAHOMA CITY, OKLA.

PHILADELPHIA (Havertown), Pa.

PHOENIX, ARIZ.

PITTSBURGH, PA.

PORTLAND, ORE.

ST. LOUIS, MO.

SALT LAKE CITY, UTAH

SAN FRANCISCO, CALIF.

SAVANNAH, GA.

SEATTLE, WASH.

TULSA, OKLA.

WASHINGTON, D.C. (Arlington, Va.)

## TYPICAL CYCLONE FENCE WAREHOUSES

San Francisco, Calif.



Ft. Worth, Tex.



Washington, D.C.



New Orleans, La.



Newark, N. J.





# CYCLONE FENCE DEPARTMENT

AMERICAN STEEL & WIRE DIVISION  
UNITED STATES STEEL CORPORATION

General Offices Waukegan, Ill.

## SALES AND ERECTION OFFICES

ALBANY, N. Y.  
167 Chestnut Street  
Phone: AL bony 4-6715

ATLANTA, GA.  
2387 Peachtree Rd., N.W.  
Phone: Exchange 8532

AUSTIN, TEXAS  
P. O. Box 554  
Litchfield Bldg.  
Phone: GR eenwood 8-5135

BAKERSFIELD, CALIF.  
730 Chester Ave.  
Phone: FA irview 3-9262

BALTIMORE 2, MD.  
Court Square Bldg.  
Phone: LE xington 9-8221

BATAVIA, ILL.  
P. O. BOX 304  
Phone: 1723 WX

BATON ROUGE, LA.  
8240 Florida Ave.  
Box 2281  
Phone: WALnut 1-5641

BEAUMONT, TEXAS  
4975 Port Arthur Road  
Phone: 5-2501

BERWYN, ILLINOIS  
1212 So. Oak Park Ave.  
Phone: Bl shop 2-2514

BIRMINGHAM, ALA.  
1121 N. 24th St.  
Phone: AL pine 2-3327

BLOOMINGTON, ILL.  
429 Main St.  
Phone 4-8705

BOSTON, MASS.  
360 Eastern Ave.  
(Malden 48, Mass.)  
Phone: MA lden 4-2600

BUFFALO 7, N. Y.  
1807 Elmwood Ave.  
Phone: Bedford 1741

CAMDEN, N. J.  
300 Broadway  
Phone: WO ddown 3-3130

CHARLESTON 2, W. VA.  
714½ Lee Street  
P. O. Box 162  
Phone: DI ckens 4-4521

CHARLOTTE 4, N. C.  
1415 No. Independence Blvd.  
Phone: ED ison 3-8696

CHATTANOOGA, TENN.  
4013 Tennessee Ave.  
Phone: TA ylor 1-2831

CHICAGO, ILLINOIS (90)  
P. O. Box 636  
Phone: SH eldroke 3-8040

CINCINNATI 2, OHIO  
1503 Fifth-Third Bank Bldg.  
Phone: GA rfield 1-4460

CLEVELAND 1, OHIO  
1287 Marquette Rd.  
Phone: EN dicott 1-1230

COLUMBIA, S. C.  
2107½ Santee Ave.  
Phone: 2-0423

COLUMBUS 15, OHIO  
Rm. 309 101 N. High St.  
Phone: CA pitol 4-2435

CORPUS CHRISTI, TEXAS  
P. O. Box 1066  
2210 Ayers Street  
Phone: TU lip 3-7281

DALLAS, TEXAS  
2301 N. Akard St.  
Phone: Riverside 5223

DAYTON, OHIO  
132 N. Main St.  
HEmlock 5661

DETROIT 7, MICH.  
1925 E. Hancock Ave.  
Phone: TE mple 2-2001

EUGENE, ORE.  
115 E. 11th St.  
Phone: 3-7113

FLINT, MICH.  
P. O. Box 623  
Phone: CE dar 2-7182

FT. WORTH 1, TEXAS  
1316 East Lancaster  
Phone: EDison 5-4371

FRESNO, CALIF.  
850 "R" Street  
Phone: AD oms 7-8054

GALESBURG, ILL.  
216 Hill Arcade  
Phone: 6208-6

GALVESTON, TEXAS  
Buccaneer Hotel Bldg.  
Phone: 5-5037

GRAND RAPIDS 2, MICH.  
154 Louis St., N.W.  
Phone: GL endale 6-8191

GREEN BAY, WIS.  
230 N. Madison St.  
Phone: HE mlock 7-4752

HAMMOND, IND.  
5305 Hohman Ave.  
Phone: WE stmore 2-8866

HARRISBURG, PA.  
221 N. Second St.  
Phone: CE dar 4-4120

HARTFORD, CONN.  
119 Ann Street  
Phone: CH apel 9-6835

HOUSTON 5, TEXAS  
6513 Main Street  
Phone: JA ckson 3-1613

INDIANAPOLIS, 4, IND.  
4740 No. Keystone Ave.  
Phone: CL ifford 1-0087

JACKSON 115, MISS.  
117 Woodrow Wilson Ave.  
Phone: 3-6881

JACKSONVILLE 2, FLA.  
118 East Bay St.  
Phone: EL gin 6-3224

KANSAS CITY 10, MO.  
P. O. Box 526  
(1401 Fairfax Trafficway,  
KC, K.)  
Phone: AT water 1-1902

LANSING, MICH.  
501 N. Walnut St.  
Phone: 2-0624

LOS ANGELES, CALIF.  
820 Thompson Avenue  
(Glendale 5, Calif.)  
Phone: CH apman 5-2635

LOUISVILLE, KY.  
Rm. 212 Builder's Bldg.  
Phone: JU niper 3-0408

LUBBOCK, TEXAS  
2408 Clovis Road  
Phone: PO rter 3-4770

MEMPHIS, TENN.  
1957 Poplar  
Phone: BRoadway 2-1032

MIAMI, FLA.  
2925 N. W. 42nd Ave.  
Le Jeune Road  
Phone: NE wton 5-4585

MILWAUKEE 2, WISC.  
733 N. Van Buren St.  
Phone: BR oodway 2-2606

MINEOLA, L. I., N. Y.  
476 Jericho Turnpike  
Phones: Pl oneer 6-5854  
Pl oneer 6-1863

MINNEAPOLIS, MINN.  
Rm. 1362 W. 1st Nat'l Bk. Bldg.  
Phone: 8-CA pitol 2-5861

MOBILE, ALABAMA  
410 St. Francis St.  
Phone: HE mlock 2-4126

NASHVILLE, TENN.  
904 Main St.  
Phone: 3-4890

NEWARK 5, N. J.  
796 Frelinghuysen Ave.  
Phone: Blgelow 8-2600

NEW ORLEANS, LA.  
4930 Washington Ave.  
P. O. Box 1031  
Phone: Audubon 6612

N. Y. C. 17, N. Y.  
370 Lexington Ave., Rm. 908  
Phone: LE xington 2-9646

NORFOLK, VA.  
218 Flatiron Bldg.  
Phone: MA dison 2-4296

OAKLAND 8, CALIF.  
954 60th Street  
Phone: OL ympic 2-2060

OKLAHOMA CITY, OKLA.  
1007 W. Grand Ave.  
Phone: RE gent 9-2679

OMAHA, NEBR.  
P. O. Box 542  
Rm. 744 Brondeis Theatre Bldg.  
Phone: JACKson 7315

PHILADELPHIA, PA.  
Eagle and Hillcrest Rd.  
(Havertown, Dela. Co., Pa.)  
Phone: GR anite 2-7454

PHOENIX, ARIZ.  
4814 N. Central Ave.  
Phone: AM hurst 6-1694

PITTSBURGH 13, PA.  
4767 Baum Blvd.  
Phone: MU 2-2460

PORTLAND, ME.  
142 High Street  
Phone: SP ruce 5-0302

PORTLAND 14, ORE.  
400 N. E. 11th Ave.  
Phone: BE lmont 2-8105

PROVIDENCE 3, R. I.  
420 Industrial Trust Bldg.  
Phone: JA ckson 1-6884

RALEIGH, N. C.  
P. O. Box 6507  
1804 Oberlin Road  
Phone: TE mple 2-0804

RICHMOND 20, VA.  
110 N. 8th  
Phone: RI chmond 2-1910

RIVERSIDE, CALIF.  
3485 Orange St.  
Phone: OV erland 3-4717

SACRAMENTO, CALIF.  
1331 "T" Street  
P. O. Box 1462  
Phone: Gl bert 2-7261

ST. LOUIS 17, MO.  
6780 Southwest Ave.  
Mission 5-8017

ST. PAUL 1, MINN.  
Rm. 1362 W. 1st Nat'l Bk. Bldg.  
Phone: CA pitol 2-5861

SALT LAKE CITY, UTAH  
3206 So. Main St.  
Phone: HU nter 4-6321

SAN ANTONIO, TEXAS  
2015 West Ave.  
Phone: PE rshing 4-5141

SAN DIEGO 1, CALIF.  
517 Harbor Insurance Bldg.  
Phone: BE lmont 3-3738

SAN FRANCISCO 24, CALIF.  
440 Bayshore Blvd.  
Phone: VA lencia 4-1575

SAN JOSE, CALIF.  
460 Park Avenue  
Phone: CY press 5-3310

SAVANNAH, GA.  
P. O. Box 1458  
Phone: ADoms 4-8871

SEATTLE 9, WASH.  
1150 Fairview Ave., N.  
Phone: Main 8164

SHREVEPORT, LA.  
4506 Mansfield Road  
P. O. Box 862  
Phone: 6-3601

SOUTH BEND, IND.  
102 Lafayette Bldg.  
Phone: CE ntral 4-5179

SPOKANE 4, WASH.  
South 125 Stevens  
Phone: MA dison 4-0421

SPRINGFIELD, MASS.  
1537 Main St.  
Phone: REpublic 9-1896

TACOMA, WASH.  
911½ Pacific Ave.  
Phone: Market 4551

TAMPA, FLA.  
311 Morgan St.  
Phone: 24-5421

TOLEDO 40, OHIO  
663 Spitzer Bldg.  
Phone: CH erry 4-0556

TULSA 3, OKLAHOMA  
1250 So. Harvard  
Phone: MA dison 6-5155

WASHINGTON, D. C.  
565 Jefferson Davis Hgwy.  
(Arlington, Va.)  
Phone: OT is 4-7992

WAUKEGAN, ILLINOIS  
P. O. Box 260  
Foss Park Ave., North Chicago  
Phone: DE xter 6-1180

WHITE PLAINS, N. Y.  
150 Main Street  
Phone: WH ite Plains 9-8409

WICHITA, KANSAS  
1516 East First St.  
Phone: AM herst 2-7081

WILMINGTON, DELA.  
Suite M-217, Delaware Trust Bldg.  
Phone: OL ympia 2-2142

WORCESTER, MASS.  
Rm. 327 at 29 Pearl St.  
P. O. Box 908  
Phone: PL easant 3-1756



UNITED STATES STEEL EXPORT COMPANY  
30 Church St., New York, N. Y.



Digitized by:



ASSOCIATION  
FOR  
PRESERVATION  
TECHNOLOGY  
INTERNATIONAL  
[www.apti.org](http://www.apti.org)

BUILDING  
TECHNOLOGY  
HERITAGE  
LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of:  
Gerron S. Hite  
West Texas Collection, Angelo State University, San Angelo, TX